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THE PENNSYLVANIA DAIRYMEN'S ASSOCIATION

ORGANIZED 1925

SIXTEENTH ANNUAL MEETING

January 22, 1941

President
R. D. MARSHALL, Beyer, Pa.

Secretary-Treasurer
CHAS. E. COWAN, Lancaster, Pa.

DAIRY QUEEN CONTESTANTS—1940

FRONT ROW: *Left to Right*: Miss Josephine Andrews, sponsored by Inter-State Milk Producers' Cooperative. Miss Betty Lewis, sponsored by Western Pa. Guernsey Breeders' Association. Miss Sarah Paxton—(*Dairy Queen*), sponsored by Dairymen's Cooperative Sales Association of Pittsburgh.

REAR ROW: *Left to Right*: Miss Helen Wassum, sponsored by Clarion Co. Guernsey Breeders' Association. Miss Marjorie Hazlett, sponsored by Indiana Co. Guernsey Breeders' Association. Miss Adele Hindenach, sponsored by Northampton Co. Holstien Friesian Clubs. Miss Virginia Saufley—(*Alternate Queen*), sponsored by Dauphin Co. Jersey Cattle Club.

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PRESIDENT'S ADDRESS

R. D. MARSHALL

In opening this, our sixteenth annual meeting of the Pennsylvania Dairymen's Association, I think that I can assure you that we have a fine program to follow today, with speakers that are able to bring us loads of valuable information.

In-as-much-as we are in the opening days of the regular session of our Pennsylvania Legislature and many questions of vital importance to the welfare of our Pennsylvania Dairymen will be discussed and decided within the next few months by our law makers, it seems to me that the brief time allotted to me on this program can best be used to discuss some of the problems we are facing, rather than discussing things that are past.

There are at least four questions to come before the legislature that will vitally effect our income.

First, the question of necessary appropriation for the control of T. B. and Bang's Disease in cattle and proper program to be followed. The State of Pennsylvania began paying indemnities for cattle tested for Bang's Disease in June 1937. We have made rapid progress in this work from that time until the present. On December 31, 1938, Pennsylvania ranked seventh in the United States in the number of blood tests conducted for Bang's Disease, and tenth in number of Counties accredited for Bang's Disease. In October 1940, Pennsylvania ranked fourth in the United States in the number of blood tests conducted for Bang's Disease, and fifth in the number of Counties accredited for Bang's Disease. On December 31, 1940, 63,912 herds, comprising 548,992 cattle were under supervision.

The testing of herds for Bang's Disease under the Area Plan has been conducted in twenty-five Counties, comprising four hundred forty-four Townships. Testing in the Individual and Area Plans has been done in eighteen Counties. All of these Counties except one have qualified as Modified Accredited Bang's Disease Free Areas, by reason of the infection having been reduced to one percent (1%) or less of the cattle tested, and five per cent (5%) or less of the total number of herds tested.

While all of the above shows rapid progress in the Bang's Disease program, it also shows that there are large areas of the state that have not been tested as well as the need for retesting in all of the Counties and herds where the work has already begun. Of course it is necessary to continue to retest for T. B. in the entire State.

Further, we are as yet unable to tell just what part Calfhood vaccination will take in this program. We believe the time has come that it can be used to benefit breeders who have large herds of cattle that are known to have, infection. However, we could not recommend at this time the introduction of vaccine into herds that are clean. After carefully considering all of the factors in this Bang's Disease program, I think the Pennsylvania Dairymen's Association would be entirely justified in joining with the State Council of Farm Organizations in requesting our Legislature to appropriate $2,500,000, for the eradication and control of T. B. and Bang's Disease in our dairy cattle.

Second, Relief Milk. A law was enacted by the last session of the Pennsylvania Legislature which provided that the Department of Public Assistance supply relief recipients with a pint of milk a day for each person under 16 years of age or for any others in the family who required milk in their daily diet.

A Group of
Winterthur Holsteins

GET OF KING POSCH ORMSBY OF WINTERTHUR

First Prize Get at the 1940 National Dairy Show

Other winners at the National included second prize Aged Bull and Reserve Grand Champion, and second prize Heifer Calf.

Great Class C Production Goes Hand In Hand With Snow Type

At Winterthur Farms, 15 Holsteins have made 26 Class C records from 800 to 1004 lbs. fat including the only three cows in the U. S. to make three records each above 850 lbs. fat on twice a day milking. One of these three, Winterthur Posch Donsegis Nosbgrl, is the cow on the left. She is the only cow in the U. S. to make two records above 950 lbs. and one of the only two cows to make four records above 850 lbs. all on twice a day milking.

45 to 50 Cows Always on Test in Class C

COME TO WINTERTHUR FOR YOUR NEXT HERD SIRE WHERE YOU GET RPODUCTION WITH TYPE.

VISITORS ALWAYS WELCOME

WINTERTHUR FARMS

WINTERTHUR, DELAWARE

Accredited 17 Years Negative 14 Years

Recent reports from the Department show that during the first year it expended five million dollars for milk delivered to relief recipients, exclusive of the administrative costs of $720,000.

While it is known that the Department is opposing this law because there is some loss of Federal Funds, in addition to the cost of administering the law, we know that farmers are bearing a large percent of our taxes and we believe this law should be continued. This not only to benefit milk producers but as a health measure for the under nourished children of our Commonwealth.

Third, Milk Sanitation. During the last session of our Legislature much thought was given this question. Both producers and distributors felt that our milk sanitation law was a piece of very poor Legislation. A bill was carefully prepared, where producers, distributors, local Boards of Health and State Departments of Health and Agriculture were in agreement that the proposed bill would be a great benefit to the entire industry. This bill was known as the Mundy-Chapman bill and was defeated in the senate. I wish to recommend the enactment of this bill with only slight amendments.

The fourth problem to be considered and I think you will agree with me it is by far the most important problem to all of us, is milk marketing. Perhaps few of us realize that agriculture is by far the major industry of the State, with a total investment of $1,170,111,599. according to the 1939 census. Pennsylvania ranks eleventh with all the states of the union in value of farm products sold in 1939, with a total cash value of $264,239,000. Of this amount more than $104,000,000. was received as a cash income from milk and dairy products. Pennsylvania ranked third in cash income from dairy products, first in ice cream production and sixth in milk production. It is also interesting to note that from thirty-eight to forty per cent of Pennsylvania's farm cash income normally comes from dairying.

It is not my purpose in this report to burden the minds of the dairymen here assembled with a long list of statistics but it seems to me that the seriousness of our marketing situation in Pennsylvania compels us to study our whole marketing structure at this time as carefully as possible and face the facts as they exist.

The following figures supplied us by the Pennsylvania State College, representing a five year average, tell us that:

Pennsylvania Farmers Produced 4,500,000,000. pounds of milk annually.
There was shipped into Pennsylvania 465,000,000. pounds of milk annually.
Making the total available supply 4,965,000,000 pounds of milk annually.
There was shipped out of Pennsylvania 870,000,000 pounds of milk annually.

Let us observe that we shipped out of the state 405,000,000 pounds more milk annually than was shipped in, which left a total of 4,095,000,000 pounds of milk for our Pennsylvania markets.

Using another set of figures supplied us by Pennsylvania State College, let us consider how this milk was used:

57% was bottled.
15% was used in ice cream
12% was used as bottled cream.
7% used as butter.
5% used in Milk Chocolate and Foodstuffs.
2.5% was used as cheese.
1.5% was used as evaporated milk.

Pennsylvania State College also furnishes us with the following estimates on per capita consumption of milk and milk products used annually:

Annual Milk Equivalent

Fluid Milk	236 pounds
Fluid Cream	31 "
Butter	517 "
Canned Milk	34 "
Ice Cream	24 "
Cheese	50 "

Making a total per capita consumption of milk and milk products of 892 pounds. Based on the above figures we find the annual consumption of the non-farm population is 7,748,467,000 pounds. Deducting from this amount the milk produced by Pennsylvania Farmers we find a deficit of production amounting to 3,240,467,000 pounds. It should be noted that this deficit is in milk used in what is termed milk products. Pennsylvania having more milk than is needed to supply our fluid milk and fluid cream needs.

This brings us squarely up to the question of how we can best market this volume of milk and return the dairy farmers of the state of Pennsylvania a living price per hundred pounds of milk produced.

In 1934 our Pennsylvania Legislature recognized the fact that our Pennsylvania Dairymen were not receiving a fair return for their milk and attempted to enact legislation which would benefit the dairymen of the State of Pennsylvania.

In 1934 a temporary law was enacted by the Pennsylvania Legislature which proposed to give to dairy farmers the cost of producing milk, plus a reasonable profit. This law was reenacted in 1935 with slight amendments and in 1937 was enacted as a permanent law. Each time that our Legislature has met milk has been a question of debate coming to the front more in each ensuing session of the Legislature, until the last session of the Legislature there was scarcely a day that there was not a debate or a discussion of the milk question on the floor of the legislature. It is my honest belief that the majority of the members of the legislature recognized the plight of the dairy farmers of the state and made an honest effort based on limited information to bring about a better living condition for our dairy farmers. However, they found the leadership in agriculture divided in their thinking and in their proposals for a cure of their problems.

After six years I think it is admitted by everyone who knows the history of milk control in Pennsylvania that there is almost complete failure of enforcement of resale prices in all parts of the state. This lack of enforcement is no reflection on any member of the Pennsylvania Milk Control Commission, either present or past, but is the result of an unworkable law that would have required much larger appropriations and an army of men to enforce. It is further recognized by dairy farmers that dealers, spreads under the present law are the widest today that they have ever been in the history of milk markets in the state. There is no real incentive for dealers to economize and one result has been that through the organization of unions in the different markets of the state, drivers are receiving almost double what they received four years ago for delivering milk in many of our city districts. Farmers are not opposed to labor receiving a fair wage but labor should recognize that every time milk drivers receive wage increases, farmers receive that much less for their milk. For the Milk Commission is able to fix a resale price no higher than the different markets will carry on fluid milk and fluid cream, prices on manufactured milk must be fixed to meet world markets. This has resulted in milk

dealers getting their cost plus a reasonable profit and the dairy farmers getting only what is left. To my knowledge there is no other group of business-men in the world that are given a guaranteed buying and selling price, except Pennsylvania milk dealers Under this system it should be further noted that in practically every suburban town in the state there are local dealers that have ample facilities for processing and distributing milk to the inhabitants of these towns. But in almost all of these towns that are located within 20 to 40 miles of our large cities we find four or five truck loads of bottled milk being transported into these suburban areas in competition with local distributors, sometimes selling only a few quarts in a town. Furthermore, in almost every city block we find from four to eight different trucks each making daily deliveries. Friends, to me with this present system, every truck load of milk making these duplicate deliveries in expensive trucks, manned by high priced labor, means additional cost of distribution, which is automatically deducted from our farm income.

Can we sit idly by and permit conditions which have developed to the detriment of our dairy farmers to continue for another two years? Or should we attempt to repeal the entire price fixing structure on milk, leaving open markets where farmers must be at the mercy of large dealer organizations, with little over half of their milk finding its way into fluid milk markets, the balance of their milk being marketed at manufactured prices? With this set up we find many farmers, through no fault of their own, compelled to market their milk to buyers who are using only manufactured milk, while their neighbors are receiving fluid milk prices, sometimes as much as one dollar per hundred higher. This condition can result in only one thing, namely; a price not far above manufactured price for all milk.

I wish to challenge the thinking of every dairyman present as to whether we could have a better price for our milk:

First, by maintaining present laws, fixing both farm and resale prices, giving dealers their costs regardless of duplication of routes and other wasteful practices.

Second, by repeal of our entire price fixing law, leaving our dairy farmers at the mercy of well organized dealer organizations where their is no possibility that they can receive a price for their products far above the manufactured price.

Third, or should we ask our Legislature to go much further and enact amendments which would entirely control producers and distributors as utilities are controlled, eliminating all duplications and wasteful practices on the part of milk distributors?

Fourth, can we not bring about conditions whereby producers can obtain a fair price for their milk and whereby all dealers will pay the same price for their milk? What more protection can any business man ask than that he be allowed to purchase on equal basis with his competitors? Can we not accomplish all that is necessary for the protection of producers, buyers and consumers and very much lessen the state's responsibility of establishing and enforcing both farm and resale prices in all parts of the state by amending our law in a manner that in times of stress producers may call on the state agency or in the case of Interstate shipments on the State and Federal Governments to hold hearings and based on the evidence of these hearings promulgate orders which will establish farm prices on a utilization basis and market pools and quota systems, if testimony shows it is the desire of producers to do so. Such orders before becoming effective must be submitted to producers of said marketing area for their approval and when the order becomes effective, should remain in effect until producers shall exercise the right to vote it out or ask for amendments to such orders.

In conclusion may I ask, on Milk Marketing Legislation is there not only one question left to decide, from a producer's standpoint? Shall it be a rigid compulsary statewide system of price fixing which calls for more and more government control or shall it be no price fixing by government leaving producers to fight an unequal battle or shall it be the elimination of price fixing as we know it, preserving the right of producers to call in the government when it is needed.

We have here representatives from all parts of our great state. I think we should all go home to our respective communities and demand that our leaders all get together on these important questions and consider them from a true producers' standpoint and present a united front to our law makers. The times demand an organized agriculture. In union we will have the strength to properly present our cause.

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Pennsylvania Ayrshire Breeders Association

ROBERT ENO, Pres.,
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218 East Court Street,
Doylestown, Pa.

CALFHOOD VACCINATION WITH BRUCELLA ABORTUS VACCINE (STRAIN 19)

By H. M. O'REAR, Senior Veterinarian, Tuberculosis Eradication Division, U. S. Bureau of Animal Industry, Washington, D. C.

INTRODUCTION

Brucellosis is an insidious disease of cattle commonly referred to by such familiar terms as Contagious abortion or Bang's disease, and this subject, in a general way, has occupied more than usual attention during the current year, due in a large measure to a mitigation in the controversial matter of applying certain controlled measures in combating the disease. The ultimate objective of research conducted in connection with Brucellosis in cattle in this and other countries for more than 40 years, has been for the express purpose of acquiring sufficient knowledge and information in order to attack the disease more advantageously.

Since the identification of this disease by Bang in 1896, methods of control have been established but unfortunately none of those thus far receiving recognition are easy of operation, and neither are they inexpensive. Consequently, little was actually accomplished in an organized effort to control the disease prior to July, 1934, when funds were made available by Congress for a cattle reduction program. This reduction program was conceived as a possible means of solving some of the economic problems confronting the cattle industry at that time. Since a program of this character was to be inaugurated, the elimination of diseased cattle appeared to be a logical consideration. Therefore, a portion of the funds were allotted for this purpose and from that point the present Brucellosis control and eradication project was developed in cooperation with the livestock sanitary officials of the various States.

The "test and slaughter" method, popularly recognized and universally employed as a medium of bovine tuberculosis eradication in the United States and Canada, was applied in 1934 as a means of removing an apparent surplus in dairy cows and has been conducted since as a step toward a more complete control of this malady. During the same period, studies have been in progress on a rather large scale for the purpose of determining the potential possibilities of a comparatively safe method of preventitive vaccination with a viable vaccine developed in the laboratories of the Bureau from a culture of the Brucella organism of low virulence.

This method has also been subjected to analogous tests by many research workers in other similar institutions and the promising and encouraging results reported in these various studies has created a wave of enthusiasm on the part of those directly connected with the cattle industry. For many years the livestock interests and livestock sanitary officials have shared the hope alike that eventually some satisfactory means of artificially immunizing cattle against this malady might be perfected. It is the contention of some that such a procedure would be the only means of controlling the disease in instances where the destructive features of the "test and slaughter" plan were not applicable to a given situation. Because Brucellosis, particularly in dairy cattle, has a tremendous economic importance in addition to its human or public health significance, the prospect of another weapon as a practical means in the control of this disease is a matter of particular importance in a review of the events of 1940.

Field Trials of Calfhood Vaccination.

In addition to the information gained in previously mentioned studies of the vaccine, which in the main, were conducted under the usual procedure employed in station con-

trolled experiments, it was decided to subject the vaccine to further trials under natural field conditions before establishing definite conclusions with respect to the efficacy of this procedure. Therefore, a field project was launched in January 1936, for the purpose of evaluating the vaccine when applied under natural conditions and to determine the feasibility of a vaccinal procedure as a practical means in the control of this disease. To attain this objective, 260 herds containing approximately 19,000 cattle located in 24 States, were selected for the purpose. Information based upon the results thus far obtained in these field trials was presented to the United States Livestock Sanitary Association during the annual session of that body in Chicago, Illinois, December 4-6, 1940, and culminated in the official recognition of calfhood vaccination as an adjunct to the present "test and slaughter" method in the control of this disease.

When this field study was inaugurated, it was apparent that since the project was to be conducted as a cooperative proposition in privately owned herds, it would create a situation that would preclude the usual experimental procedure of maintaining controlled animals. Therefore, it was obvious under such circumstances, that the herds to be selected must be chosen from those in which the disease, as determined by the blood agglutination test, was demonstrated in a sufficient number of animals in each herd to insure adequate exposure of the vaccinated animals to the disease, and no herd containing less than 15 per cent of positive reactors was accepted. It was disclosed on the initial test applied to these herds that there were actually 5,531, or 29.2 per cent of positive reactors, and 1,593, or 8.4 per cent of suspicious animals in the herds finally selected. The suspects and reactors were retained in each herd for a period of time, after which the practice was adopted of eliminating a few each year as vaccinated animals came into production and served the purpose of replacements. The vaccinated animals were permitted to mingle continually with the infected herd, and the usual sanitary practices employed in animal disease control were not applied in these herds, and the only means resorted to in the control of the disease was the vaccination of calves between 5 and 7 months of age, with Brucella abortus vaccine (Strain 19).

Status of the Original Herds with Respect to Brucellosis as Determined by the Blood Agglutination Test

260 herds containing 18,912 cattle, located in 24 States.

11,788, or 62.3 percent, of these animals were negative to the blood agglutination test.
1,593, or 8.4 percent, of the animals gave a suspicious reaction to the blood agglutination test.
5,531, or 29.2 percent, of the animals gave a positive reaction to the test.

January 1938;	66.9 percent of the original reactors and 62.4 percent of the suspects remained in these herds.
July 1938;	54.9 percent of the original reactors and 53 percent of the suspects remained in these herds.
January 1939;	44.7 percent of the original reactors and 41.5 percent of the suspects remained in these herds.
July 1939;	33.3 percent of the original reactors and 28.8 percent of the suspects remained in these herds.
January 1940;	32.3 percent of the original reactors and 26.7 percent of the suspects remained in these herds.
July 1940;	24.1 percent of the original reactors and 21 percent of the suspects remained in these herds.

Note: No reference is made in these figures to nonvaccinated animals in these herds that developed titers after the original test.

From July 1938 to December 31, 1938, 2,437, or 12.9 percent, of the non-vaccinated animals in these herds aborted.

During the calendar year 1939, 428, or 2.3 percent, of the non-vaccinated animals in the herds aborted.

Therefore, it is readily apparent from the figures presented herein that the vaccinated animals in these herds, which were in no manner segregated, have been subjected to a rather severe natural exposure while in direct contact with these diseased animals.

However in reviewing the incidence of brucellosis in these herds it is also a matter of interest to note in July 1939, approximately three and one-half years after the project was launched, that 387, or 7 percent, of the original positive reactors were then (July 1939) negative to the blood agglutination test.

Tabulation of Results following Vaccination

The records as of July 1, 1940, indicate that 13,854 calves were vaccinated in these herds when between 5 and 7 months of age. This number constituted approximately 73.3 percent of the original cattle population in these herds at the beginning of the study. Some 5,673 or 40.9 percent of these vaccinated animals have now been involved in their first pregnancy. Of this number, 5,491 calved normally; 4,527 or 82.4 percent were negative, 262 or 4.8 percent were positive, and 702 or 12.8 percent revealed suspicious reactions to the post-parturition test. In this group 182 or 3.2 percent of the animals aborted; 93 or 51.1 percent were negative, 69 or 37.9 percent were positive ,and 20 or 11.0 percent gave a suspicious reaction to the post-parturition test. Therefore of the 5,673 animals in this group, 4,527 or 82.4 percent calved normally and were negative, while 964 or 17.6 percent of those calving normally disclosed either a positive or a suspicious titer. There were 182, or 3.2 percent of the animals in this group, that aborted; 93 or 51.1 percent, were negative and 89, or 48.9 percent, of this lot revealed a positive or suspicious post-parturition titer. Therefore the 89 aborting animals which revealed either a positive or suspicious post-parturition titer constitute only 1.6 percent of the 5,673 animals involved in this group.

The next group covers the vaccinated animals thus far involved in the second pregnancy. In this lot there were 2,026, or 14.6 percent, of the total number of vaccinated animals in the herds, of which 1934 calved normally; 1,619, or 83.7 percent, were negative, 110, or 5.7 percent, were positive, and 205, or 10.6 percent, gave a suspicious reaction to the post-parturition test. In this group there were 92, or 4.5 percent, that aborted during the second pregnancy; 63, or 68.5 percent, were negative, 24, or 26.1 percent were positive, and 5 or 5.4 percent gave a suspicious post-parturition titer. Consequently of the 1,934 animals calving normally during the second pregnancy, 1,619, or 83.7 percent, were negative, and 315, or 16.3 percent, revealed a suspicious or positive titer. Of the 92 animals that aborted, 63, or 68.5 percent, were negative, and 29, or 31.5 percent, disclosed a positive or suspicious post-parturition titer. The 29 aborting animals that revealed either a positive or suspicious post-parturition titer, represent only 1.4 percent of the entire lot of 2,026 animals involved in this group.

The next group covers the vaccinated animals thus far involved in the third pregnancy. In this lot there were 483 or 3.5 percent of the total number of vaccinated animals, of which 447 calved normally; 380, or 85 percent, were negative, 27, or 6 percent, were positive, and 40, or 8.9 percent, gave a suspicious post-parturition titer. There were 36, or 7.4 percent, abortions, of which 26, or 72.2 percent, were negative, 6, or 16.7 percent, were positive, and 4, or 11.1 percent, were suspicious to the post-parturition test. Therefore 380, or 85 percent, calved normally and were negative, and 67, or 15

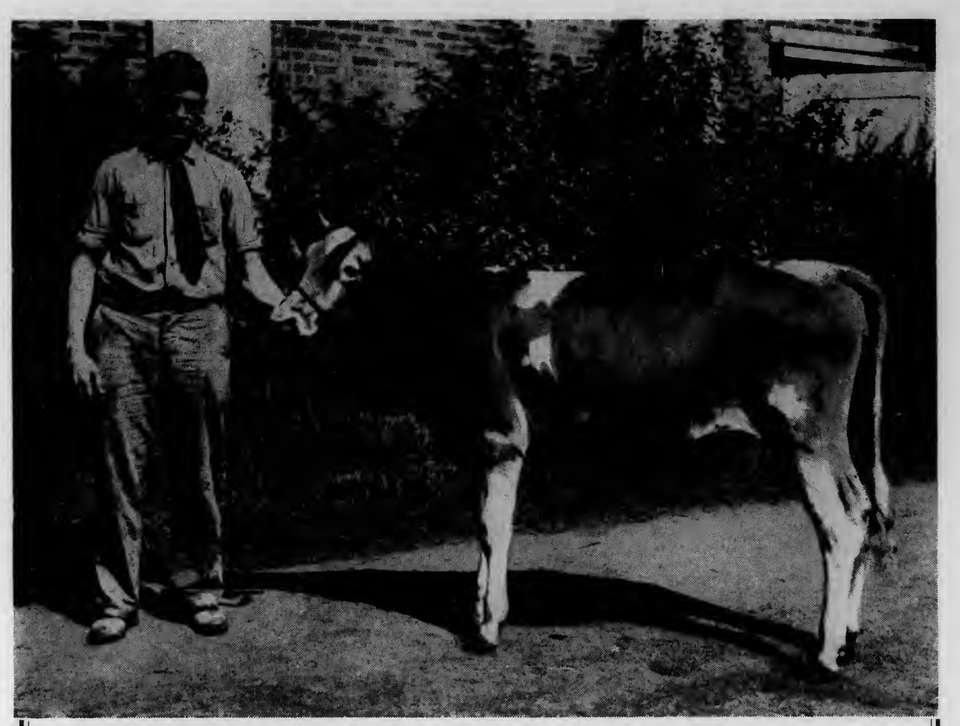
percent, revealed a suspicious or positive titer. Of the 36 animals that aborted 26, or 72.2 percent, were negative and 10, or 27.8 percent, revealed either a suspicious or positive post-parturition titer. The 10 aborting animals that disclosed a positive or suspicious post-parturition titer represent only 2.1 percent of the 483 animals in this group.

The next group covers the vaccinated animals involved in the fourth pregnancy. While this lot is as yet too small to be of much significance, it is included for whatever value it may possess. There are 44 animals involved or 0.32 percent of the total vaccinated animals in these herds. Forty-one, or 93.2 percent, calved normally, of which 32, or 78 percent, were negative, 3, or 7.4 percent, revealed a positive titer, and 6, or 14.6 percent, gave a suspicious post-parturition reaction. There were 3, or 6.8 percent, abortions in this group, of which 2, or 66.7 percent, were negative, and 1, or 33.3 percent, revealed a positive titer. The one positive aborting animal in this lot is only 2.3 percent of the entire lot of 44 animals involved in this group.

Results Following Vaccinations

At this time, more than 17,000 calves have been vaccinated in these herds. On July 1, 1940, 6,182 of this number had calves involving 3 pregnancies of which 5,673 were first, 2,026 were second, and 483 were third pregnancies. In this group of 8,182 animals, there were 7,872 or 96.2 per cent normal parturitions, 6,526 animals or 82.9 per cent of these calving normally were negative to the post-parturition test, 399 or 5.1 per cent of those calving normally were positive to the post-parturition test, and 947 animals, or 12 percent of those calving normally were suspicious to the post-parturition test. There were 310 or 3.8 per cent of the total number of animals involved that aborted, 182 or 58.7 per cent of those aborting were negative to the post-parturition test, 99 or 31.9 per cent of the aborting animals were positive to the post-parturition test, while 29 or 9.4 per cent of those that aborted were suspicious to the post-parturition test. Consequently, on the basis of the blood agglutination test, there were only 128 or 1.6 per cent of the animals in the group of 8,182 vaccinated animals involved in the 3 pregnancies that aborted, and the cause could be attributed to Brucellosis. It may also be pointed out that among 1,346 animals that calved normally and revealed either a suspicious or positive titer, approximately 500 or 37 per cent gave a negative reaction to the first retest applied 6 months later. In the first group of 97 animals that calved normally during the first pregnancy, and disclosed either a suspicious or positive titer, the 5th retest applied two and one-half years later, indicated that 75 or 77.3 per cent of those animals had returned to a negative titer.

While it is naturally desirable, in trials of this character, to determine the length of time that animals which aborted and revealed a titer might continue to react to the test, it has been extremely difficult to persuade owners to retain such animals longer than an average of two subsequent retests, since the personal interest of the owners in such matters apparently takes precedence over the experimental importance in such instances. However, in this group there were 128 animals that aborted, 100 of which disclosed a positive titer, and 28 a suspicious titer. Twenty-eight of these animals have returned to negative, and the other 100 animals are either still in the herd and are running titers, or have been disposed of as undesirable. If the 100 animals were considered as a group in which immunization was not successful, this lot would constitute only 1.2 percent of the entire number of animals involved in the three pregnancies. Attention is also directed to the fact that some animals in all groups that revealed a reaction to the post-parturition test following the second, third and fourth pregnancies, in reality, reacted to the post-parturition test following the first pregnancy and have not since lost their titers. However, the number of such animals is relatively small considering the total number of animals involved.



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A BETTER HERD IN 1943?

Too few dairymen fully appreciate the importance of their calves. Breeding, management and feeding of calves this year will largely determine your dairy success in 1943 and after. Strive constantly to improve the breeding of your calves. Then give them an early boost toward health, growth and vigor with **Eastern States Calf Starter.**

Eastern States Farmers' Exchange has just published the EASTERN STATES CALF FEEDING TABLE. It takes a calf through 22 steps in feeding and management from birth to first calving. A handy guide to hang in your barn. Eastern States hopes you will get a copy from one of its many local representatives or warehouses or that you will write to the address below for one. **THERE IS NO CHARGE.**

EASTERN STATES FARMER'S EXCHANGE

SPRINGFIELD, MASSACHUSETTS

A study of this character is naturally time consuming and further observations will be required to complete the project and provide additional information.

Proposed Policy Involving Official Recognition of Calfhood Vaccination

As a result of disturbed world conditions sanitary officials in many States, as well as the Federal Government, are confronted with a problem of considerable proportions. The threat of an extended diversion of funds, ordinarily available for peace time Government functions but now required to meet the exigency of total preparedness, one of the gravest and most impelling problems of all America today, is an ever increasing probability. Under the extraordinary circumstances presented by this situation and in view of the potential possibilities of **Brucella abortus** vaccine as an aid in the control of Brucellosis, it appears desirable to amend the present program to include calfhood vaccination as an adjunct to the "test and slaughter" method, in those States where this procedure is desired.

An operative program to carry this procedure into effect should be simple and uncomplicated and the following general plan is proposed for this purpose:

1. All animals over 6 months of age in a herd under cooperative supervision, where the owner elects to adopt the vaccinal procedure, should be subjected to a blood agglutination test prior to the inauguration of such a program, and at least one test annually should be applied thereafter.

2. To facilitate matters in connection with the movement of animals in such herds, in addition to protection of the purchaser, a simple uncomplicated record of each herd is absolutely necessary.

3. The vaccination of all animals should be confined to calves between 4 and 8 months of age and this should be accomplished as nearly as possible during the sixth month of the animal's life.

4. The age of the animal and date of vaccination should be properly recorded and the identity of each animal should be properly established in each instance.

5. An animal in a herd where vaccination is practiced should not be disposed of for any purpose other than immediate slaughter while revealing a positive titer, except upon written permission by the cooperating State or Bureau officials.

6. A herd under the vaccinal plan may be certified as a HERD FREE OF BRUCELLOSIS for a period of one year when all animals in the herd over two years of age reveal at least two negative reactions to official blood agglutination test properly spaced, when nonvaccinal heifers under two years shall similarly be proved negative to the test, and when vaccinated heifers under two years either show a satisfactory decline in titer or are removed for slaughter.

7. The subject of the joint payment of indemnity to owners of adult cattle that reveal a positive reaction to the blood agglutination test in a herd under the vaccinal procedure, is a matter that should depend upon the circumstances within a State. However, in instances where vaccinated animals over 2½ years of age (that were vaccinated between 4 and 8 months of age) disclose a positive reaction and the owner desires to dispose of such animals, a joint payment of indemnity is recommended.

8. Owing to a variation of conditions in different States it appears, except for a general operative plan of procedure, that minor details in a program of this

character are matters which should be delegated to the cooperating State and Federal officials in each of the various States.

Exacting Rules and Regulations Necessary for Success

Disease eradication is the objective purpose of every livestock sanitary official and the hope of every thinking livestock producer. However, Brucellosis is generally regarded as a disease of more insidiousness, perhaps, than any other regulatory disease affecting cattle in this country at the present time. The dimensional factors involved in suppressing this malady will necessitate the charting of a course that is likely to be found somewhat difficult for the complacent traveler to pursue, regardless of what method or combination of methods are selected for this purpose. Therefore, in considering the potential possibilities of **Brucella abortus** vaccine in the control and eradication of this malady, it should be readily recognized as a procedure that is not sufficiently simple in application to withstand promiscuous usage, and if viewed solely on a basis of simplicity, disappointment and disaster are bound to follow in its wake. Consequently, it is apparent at this juncture that a warning should be sounded against any over-enthusiastic tendencies which obviate or subordinate cardinal principles that are of fundamental importance in a procedure of this particular type. Exacting rules and regulations will be required to govern its use, and a definite plan must be adopted with respect to the physical application of these principles, in addition to a close supervision of the preparation of the product, if any major degree of success is achieved and complications which tend only to confuse the situation are to be avoided.

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ECONOMIC CONDITIONS AND PENNSYLVANIA DAIRYING IN 1941*

F. F. LININGER

Department of Agricultural Economics
The Pennsylvania State College

This Nation and this Commonwealth are committed primarily to national defense in 1941. Everything else will be secondary. America is to be the "arsenal of democracy" and Pennsylvania the "arsenal of America".

Measures of national defense overshadow all other activities of industry or government. There is hope that there will be "butter" as well as "guns"—that is, consumer goods as well as armaments. But in any case there will be "guns". Though the United States is not engaged in actual combat, few will deny that the dividing line between defense and war is growing thin.

Our approach, therefore, to the outlook for agriculture or for dairying, the most important enterprise on Pennsylvania farms, must be made with full regard for the facts of the defense program. First, however, as an aid in appraising the present economic situation, let us refer briefly to previous periods of national emergency. The story is best told perhaps by what happened to prices, although there are other approaches to the problem. What have major wars done to prices?

Prices in War Periods High

The outstanding fact revealed by the history of the general price level of the United States from its beginning as a nation is that commodity prices have been unusually high in major war periods. Prices were high during the Revolutionary War, the War of 1812, the Civil War, and the World War. (Fig. 1.)

The phenomenon of high prices during war periods, of course, is not peculiar to the United States. Price inflation has occurred strikingly within all countries engaged in major wars. Prices in England have advanced approximately 50 per cent since August 1939. This was the month just prior to the outbreak of the present war. Moreover, the war has already influenced prices on this continent. In the United States prices of basic commodities are now 21 per cent above the level of August 1939 (28 commodities, U.S. Bureau of Labor).

Will price inflation come again? We can never be sure that history is going to repeat itself. We must consider in what ways conditions now are different from those of previous war periods.

The defense program definitely has tremendous inflationary tendencies. Money means nothing so far as defense costs are concerned—the sky is the limit.

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*A talk given at the Sixteenth Annual Meeting of the Pennsylvania Dairymen's Association, Farm Show Building, Harrisburg, Pennsylvania, January 23, 1941. Dr. George E. Brandow has contributed to the general economic phases of this discussion, and Dr. C. W. Pierce to those relating to dairying.

A record budget of 17½ billion dollars has been submitted, and billions more for the lease-lend program are to be added to that enormous figure. The public debt is expected to increase 7 billions this year and at least 10 billions next year, and to reach a total of 60 billions by July 1942.

The money being poured into the defense program will increase payrolls of industrial workers. As they spend the money, demand grows for peacetime goods of all kinds. Consequently, the demand for armaments will be superimposed upon a rising demand for peacetime goods, and the total of demands for the materials and manpower of the nation may expand greatly. This is the sort of situation which may lead to inflation. When money is made available to the public at rates faster than consumer goods are produced, price rises follow.

At the present time there seems to be much more intention on the part of the government to take positive action to prevent inflation than in previous wartime periods. These good intentions may be somewhat dulled by the emergency character of events which may grow out of the present situation. Nevertheless, various methods of checking price inflation are proposed. Most of these are directed toward preventing consumers from spending their enhanced incomes and thereby bidding up prices for goods.

One way the government may act is to see to it that consumers have more taxes to pay, so they have no additional money to bid up the price of commodities. Moreover, to the extent taxes are resorted to, the government obtains revenue to finance the defense program.

Another proposed way of preventing consumers from bidding up prices of goods is to induce individual saving. If consumers can be persuaded to buy government bonds instead of spending their money for commodities, demand in the commodity market is lessened and, theoretically at least, prices will be held in check. It is noteworthy that this plan, too, would aid in financing the defense program by providing a market for government bonds.

An attempt may be made to prevent price inflation by monetary measures. The Federal Reserve System has recently asked, among other things, for power to reduce excess bank reserves. The purpose is to prevent large amounts of credit from being offered to the public with which to bid up prices.

If the preceding methods, taxation, increased individual savings, and monetary measures, are ineffective the government still has another means of trying to prevent inflation, namely, fixing maximum prices. It is conceivable that this method may become an important procedure in checking inflation in this country.

In order to implement the fixing of maximum commodity prices, priority systems are already being set up. Effective price fixing would mean fixing prices not of a few goods but of a great many goods. Eventually all prices, including wage rates, would have to be fixed.

Agriculture, and particularly dairying, has had considerable experience with price fixing during the past decade of falling or low prices. Price fixing has set **minimum** prices, which have usually become the going rates. Price fixing has attempted to put the brakes on going **down** hill. Now we are entering a period when **maximum** prices may be set, with the purpose of putting the brakes on going **up** hill.

To what extent price-control measures will offset inflationary tendencies cannot be

said with certainty. Prices already have risen, and almost surely they will rise further. If price control is effective, the general rise in prices may not go beyond mild inflation. If price control is ineffective, the result may be inflation like that of the World War when prices more than doubled. Probably the price level will rise at leat 10 per cent in the coming year, and perhaps more.

Purchasing Power of Farmers High With Inflation, Low with Deflation

The relation of agricultural prices to prices of commodities bought by farmers in past war periods is clear. In extended periods of price inflation the prices of products sold by farmers rose faster than prices of commodities purchased by farmers. (Fig. 2) This meant one thing: with rising price trends farmers usually gained an advantage, while with falling price trends they suffered a disadvantage.

Why has this relationship existed? The primary reason is the lag of wage rates and fixed costs when price trends are moving rapidly up or down.

From 1916 to early 1920 farmers in the United States were given an advantage by the inflation of prices. Wages, freight rates, and other costs adjusted relatively slowly to the higher price level. Costs of farming rose less rapidly than prices of farm products.

In 1920 the inflated price level collapsed and farm prices declined sharply. Wages, freight rates and similar costs stayed high, however, putting farmers at a disadvantage when they purchased the products of industry. Farmers distant from market suffered more than those near by.

Another decline in the price level occurred from 1929 to 1932. Farm prices declined 55 per cent, but wages in the building industry declined only 18 per cent. Because of the inflexibility of wages and other industrial costs, prices paid by farmers for the products of industry fell less than farm prices. In early 1933, 500 bushels of wheat were required to buy a grain binder. In contrast, 50 bushels of wheat bought a grain binder in 1919.

In the price recovery of 1933-1937 farmers' purchasing power improved. Since 1933 wage rates also have advanced. In June 1940 the average union rate for all workers in the building trades (72 cities in the United States) was $1.37 per hour. This was nearly three times the 1910-14 rate, compared with United States farm prices somewhat under that prewar level.

During the past two decades the disparity between industrial wage rates and farm prices has made very difficult the interchange of products between farmers and industrial workers.

At the present time farmers' purchasing power is rather low. If we are entering another period of rising prices, probably the relationship between farm costs and farm prices will improve. Even the so-called "parity prices" may soon be within sight. Although this may not occur for cotton, wheat, or tobacco, which are facing a very unfavorable export situation, it is likely to apply to commodities such as dairy products, poultry, beef cattle, sheep, and vegetables.

Farm Prices in Pennsylvania More Stable Than in the United States

In comparison with the position of nation-wide agriculture, Pennsylvania agriculture at the present time is somewhat more favorable. (Fig. 3) The purchasing power index

of agricultural prices in the United States for December 1940 was 83, compared with an index of 96 for Pennsylvania. Why this difference?

A number of factors give Pennsylvania agriculture this advantage. Foremost should be mentioned the nearness to market. In general it costs the Pennsylvania farmer a much smaller fraction of the farm price to get his products to market than is the case for farmers located a long distance from consuming centers. High costs of distribution have taken a large proportion of the retail price of Pennsylvania farm products, but have taken even more of the retail price of United States farm products. Moreover, Pennsylvania farmers frequently haul their own products direct to consumers. In such instances the retail price becomes the farmer's price.

In periods when agriculture is depressed, such as prevailed in the 20's and 30's, the tendency has been to increase direct marketing in Pennsylvania. Many dairymen in Pennsylvania have turned from wholesale to retail selling of milk. In considerable measure this is responsible for the relatively high purchasing power enjoyed by many Pennsylvania farmers.

Farm Production Per Capita Below Level of 1920's Augurs Well for Farm Prices

So much publicity has been given to the enormous supply of cotton and the large stocks of some grains that many persons have the impression that agricultural production is very high. As a matter of fact, total farm production per capita in the United States is somewhat below the level of the 1920's. Total farm production per capita in the three years 1937 to 1939, favored by good crop weather, was 4 per cent less than the 1924-29 average.

Export outlets for such farm products as cotton and wheat are poor, and unsold stocks are large. At present the outlook for expansion of exports is gloomy. If proposals for feeding Europe go into effect, however, stocks may disappear with startling rapidity. If America were to become the granary of democracy as well as the arsenal of democracy, the "surplus" might become a shortage.

We can expect rising domestic demand in the coming year, and much uncertainty as to foreign demand. It might be very low; it could be very high. Farm products which are sold principally in the United States markets likely will be most favorably affected.

Facts such as these constantly give rise to the question, will not farm prices again follow war patterns? It is merely a coincident that Pennsylvania farm prices in recent years are strikingly similar to those prevailing from 1910 to 1915. (Fig. 4) Other factors besides those considered above, such as the duration of the war, the degree of participation by the United States, and the final outcome of the struggle, are likely to determine the degree of similarity or difference in the years immediately ahead.

The Dairy Outlook for 1941

Three factors appear of particular importance in the outlook for dairymen for the coming year: (1) a probable further increase in the number of milk cows, (2) increased industrial activity and enhanced consumer incomes, and (3) increased exports of various forms of concentrated milk and reduced imports of cheese.

A tendency among farmers to increase cow numbers has existed during the past three years and may be expected to continue. There were approximately 25,800,000

milk cows on farms in the United States, January 1, 1941. This number, exceeded only during the three years 1933 to 1935, is not unusually high in relation to number of people. More striking has been the increase in number of young stock during the past few years. At the present time the number of young stock is more than enough to provide for normal replacements during 1941 and 1942.

Actual future increases in cow numbers will depend largely on rates of culling. A factor favorable to low rates of culling is the present ample supply of feed grains and by-product feeds. Ample hay supplies per animal unit are also available. With the expansion of industrial activity farmers are likely to be confronted with the problem of obtaining adequate labor at present rates of pay. This may be expected to put some damper on the expansion of cow numbers. In areas where a considerable portion of the cows milked are of dual purpose type there may be some shift of cows from a milk cow to beef cattle classification. This will depend on the relative prices of beef and butterfat, and the availability of a labor supply. During the past year, prices of beef cattle have been high in relation to prices of butterfat.

During 1940 total milk production in the United States amounted to 857 pounds per capita. This amount was about the same as the preceding peak in 1933, and about 4 per cent above the 1924-29 average. It seems probable that with increases in the number of milk cows the trend in milk production will continue gradually upward as long as feed supplies are ample.

Changes in numbers of cattle, including beef animals, give rise to a cycle of about 15 years from peak to peak in the purchasing power of dairy cows. At the present time the dairy cattle price cycle is approaching a high level, the peak of which may be expected within a year or two. (Fig. 5)

The particular features of the prospect for increased industrial activity have been discussed earlier. Without doubt increased consumer incomes during the past year have been in part responsible for higher prices for dairy products in 1940 than in 1939. Future increases in business activity and consumer incomes will continue to stimulate domestic demand for dairy products and will tend to raise dairy prices. For instance, we are told that already nearly a billion dollars of defense orders have been placed in Pennsylvania. This volume of business adds perhaps 15 per cent ot the total of a normal year, and most certainly will mean added dollars to spend for dairy products.

Prices of milk for fluid use customarily lag when prices change. If during the coming year the general price level should increase, a lag of this nature might even be beneficial to Pennsylvania dairymen. At the present time in many markets a wide spread exists between the prices of fluid milk and the prices of milk used for manufactured products. A lag in fluid milk prices at the same time that prices of manufactured dairy products are increasing will tend to create a price structure more sound than exists in many instances today. Some correction has already occurred.

The war in Europe has brought about a marked expansion in our exports of concentrated milk. During the World War, British imports of butter were greatly reduced, cheese imports showed relatively little change, while imports of canned milk were greatly expanded. In the present situation, Canada is diverting to Great Britain cheese which might otherwise come to the United States. This and blockade conditions imposed on central Europe have reduced our imports of cheese to minute quantities. Before the outbreak of the present war Denmark and The Netherlands were the principal nations

exporting canned milk to Great Britain. With these nations cut off, United States exports of canned milk have increased markedly.

Changes in exports, however, are of minor importance to dairymen as compared with the general trend of prices, business activity and payrolls. It is the improvement in the domestic market that is the primary basis for moderate improvement in the dairy outlook.

Summary

The coming year is full of grave uncertainties which no one can correctly appraise in advance. An enormous armament program will dominate our national economic activity. Almost certainly employment will rise and payrolls expand. The demand for armaments, plus rising demand for peacetime goods, contain the threat of price inflation. Efforts will be made to control prices and may prevent a repetition of our World War price experience. Some advance in the price level is to be expected, however; an advance of at least 10 per cent seems probable.

A rising price level is expected to have its usual effect of increasing farm prices faster than farm costs. If this occurs, 1941 will be a better year for farmers than was 1940. This holds for dairymen, although an exception to this statement should be made for cotton, wheat, and tobacco, which face a very unfavorable export situation. On the whole, Pennsylvania farmers may find 1941 to be similar to the latter part of the 1920's, which were fairly good years in the Northeast because industrial employment here was high.

Dairy products will share in the general expansion of consumer demand for goods. Prices of butter and cheese may advance more than the usually sluggish Class I prices. If this occurs, a more healthy relation will exist between prices of milk for surplus uses and Class I prices.

Unlike the outlook for some other agricultural products, the outlook for exports of canned milk is favorable. Since exports are of minor importance to dairymen, however, the improved export situation is of considerably less importance than is the rising domestic demand.

Probably the increase in cow numbers will continue in 1941. Rising labor costs on farms may tend to offset the effect of rising cow numbers on milk supplies, but supplies are expected to continue to increase gradually.

Finally, may I conclude by saying that only whole-hearted cooperation between agriculture and labor, industry and government, can avoid serious consequences in the days ahead. The most critical period of all is likely to be the one which comes when the boom days subside. In any case, a lower standard of living in both town and country must inevitably follow this orgy of destruction, which surpasses that of any previous period of world history.

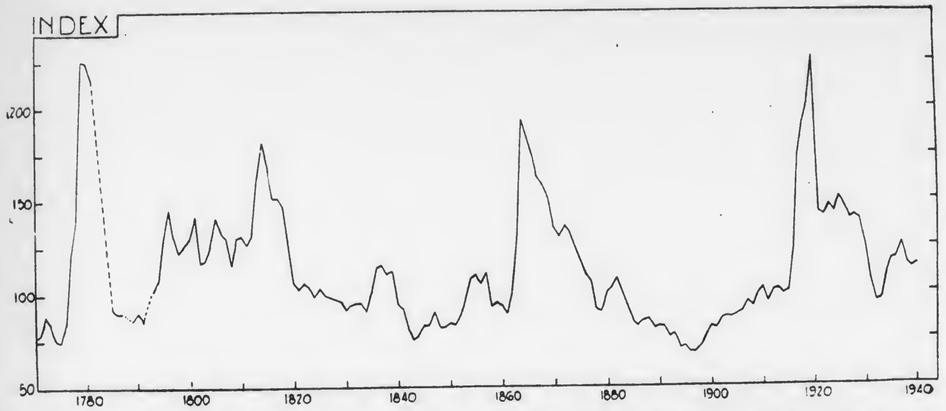

FIG. 1.—Index Numbers of Wholesale Prices in the United States, 1775-1940. Commodity Prices have been unusually high in major war periods. Since the present war began, September 1, 1939, the wholesale commodity index has risen 7 per cent.

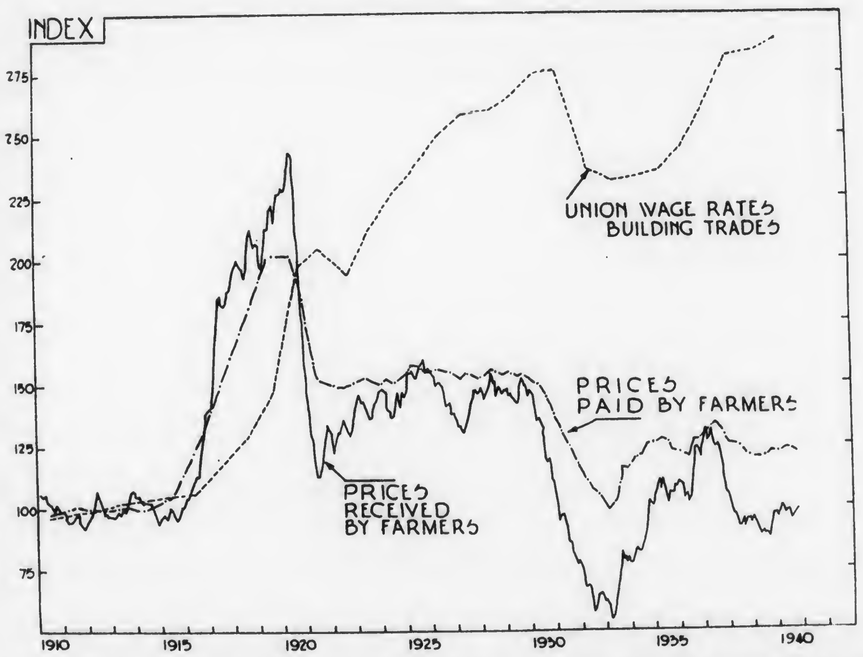

FIG. 2.—Prices Received and Prices Paid by Farmers in the United States 1910-1940, Compared with Union Wage Rates in the Building Trades. In the inflation period of the World War prices received by farmers were relatively higher than prices paid by farmers, and also considerably higher than union wage rates. This was the period of "high cost of living" for industrial workers and persons living on salaries.

Following the precipitous drop in 1920 and continuing through the 30's, prices received were relatively lower than prices paid by farmers. In this period union wage rates were exceedingly high, making it difficult for farmers to exchange their products for the products of industry. In December 1940 this purchasing power was only 83 per cent of what it was during the pre-war period 1910-14.

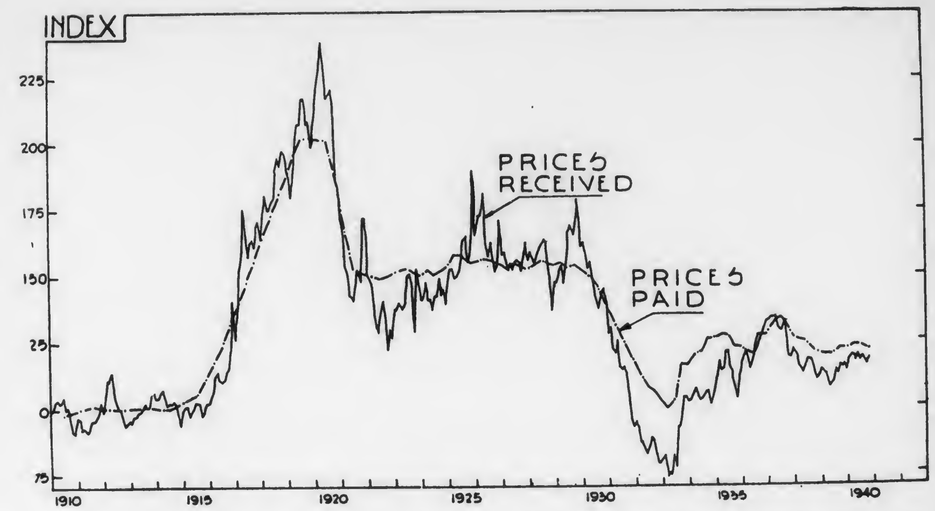

FIG. 3.—Prices Received and Prices Paid by Farmers in Pennsylvania, 1910-1940. Purchasing power of Pennsylvania farmers is somewhat more favorable than that of United States farmers as a whole.

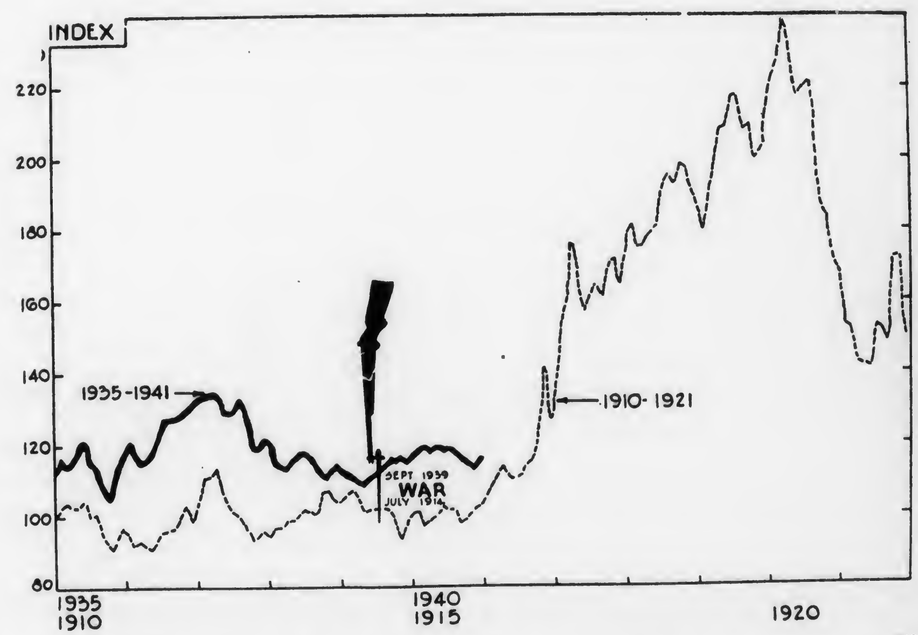

FIG. 4.—Pennsylvania Farm Prices, 1935, Compared with Pennsylvania Farm Prices Following 1910. The "gun" indicates the beginning of European wars. The present war began September 1, 1939; the World War, July 28, 1914. Will the two lines move together as closely in the next six years?

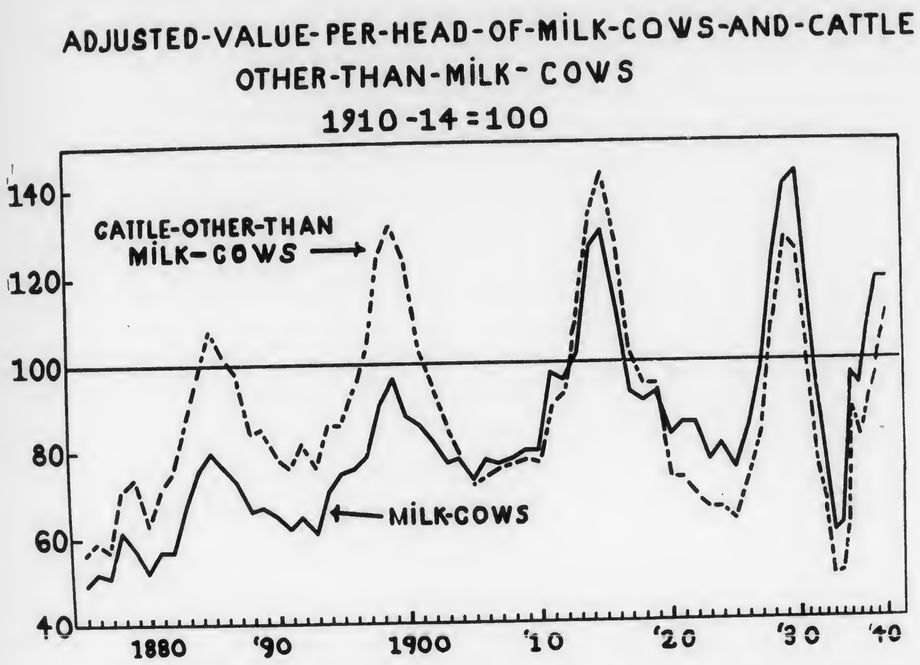

FIG. 5.—Purchasing Power Per Head of Milk Cows and Cattle Other Than Milk Cows, 1867-1940*. There is a cycle in the purchasing power of milk cows and other cattle (January 1 value per head compared with the general level of commodity prices). The cycles have been 14 to 16 years long. The heavy slaughter of cattle that resulted from the 1934 and 1936 droughts resulted in a shorter period of low prices than usual. During the past year the prices of milk cows and beef cattle have been high compared with prices of other farm products. These relatively high prices have stimulated the saving of heifers and the expansion in cattle numbers.

* From OUTLOOK CHART BOOKS FOR 1941, Dairy and Poultry, p. 3. U. S. Bureau of Agricultural Economics, Agricultural Marketing Service.

Address by Dr. G. H. Stringfield, Bureau of Plant Industry, U.S.D.A., located at Ohio Agriculture Experiment Station on the subject "Hybird Corn".

Dr. Stringfield is one of the outstanding plant breeders in the field of hybrid corn.

He gave a most interesting and worthwhile talk with the aid of illustrated slides, on the methods used in developing hybrid corn, and the resulting progress of disease control.

RESULTS OF HYBRID CORN DEMONSTRATIONS IN PENNSYLVANIA

(Discussed at Meeting of State Dairyman's Association, Farm Show, January 23, 1941, by J. B. R. Dickey, Extension Agronomist, The Pennsylvania State College)

I am glad to have this opportunity to correct the impression which I hear has been expressed that State College and the Extension Service is "opposed to hybrid corn." We believe in the scientific principles involved in the production of corn hybrids, and we know what these hybrids have done in the corn belt. We have little doubt that hybrids will eventually find their place on many Pennsylvania farms. What we have been unalterably opposed to is the sale to Pennsylvania farmers of western hybrids, on a basis primarily of what they have done in distant states, without a thorough trial as to whether they were suited in length of season or general adaption to the particular sections where sold. There are many agencies to spread the word regarding someone's success with a hybrid, but little is said about the cases of which we hear regarding whole fields of unadapted hybrids which failed to mature in our shorter-season sections, or which were otherwise unsatisfactory. We are doing all we can to prevent the occurrence of such experiences.

The greatest danger, and the greatest temptation, is to sell hybrids which are later, and consequently larger, than the corn grown in a locality. Some years these late corns will ripen, but they are not safe, and this year there is a lot of soft corn where late hybrids were planted.

After two years of intensive work with hybrids for grain and silage in nearly every county in the state we are now in a much better position to advise as to which ones are most apt to prove satisfactory for a particular section. We are constantly asked: "What hybrid do you **recommend** for my section?" Our experience is still too limited and short-lived for us to **recommend** any hybrid or group of hybrids. Besides, since many hybrids are bred and sold by private interests, we as a public service agency cannot well **recommend** any privately produced hybrid, any more than we can recommend a **brand** of feed or fertilizer. The summary yields from our demonstrations which I will show you should be taken not as recommendations but rather as a **guide** to indicate what hybrids may be considered reasonably safe and satisfactory for sections of a certain length of season.

Where we were able to average a considerable number of demonstrations it will be noted that there was not much difference in the **average** yields of hybrids of similar length of season. Where the number of trials was less than ten or twelve, too much significance should not be attached to the results or to apparent differences of several bushels per acre.

Another interesting thing brought out by these demonstrations was the relatively small differences in yield of late and early corns suitable for the same section. It did not pay this year to take a chance on maturity and soundness for the sake of the few extra bushels one secured from the later corns. This of course does not happen every year.

There is no question but that hybrids stand up better than open pollinated corns. Some hybrids stand up better than other hybrids, just as open pollinated corns which have been stalk selected for strength, stand up better than those which have not. Strength of stalk and root is a very valuable characteristic, either for grain or silage, especially in a section where severe late summer storms are of common occurrence, as in southeastern

Pennsylvania. Hybrids also may better withstand some other adverse conditions. This accounts in part for the greater superiority of hybrids in yield over open pollinated corns in the southeast than elsewhere in the state during the past two years. The statement of a keen observer that he "had not seen a good field of open pollinated corn in Lancaster county for the last two years" seems to me significant evidence that ordinary corn has had a mighty hard time during 1939 and 1940 and was far from at its best.

The yield figures calculated on a percentage basis and reconverted to bushels per acre may be secured from County Agents. Outside the southeastern section the superiority of hybrids in yield when compared to a good open-pollinated corn has not been marked. We have so far not found a hybrid as early as Early Butler which will consistently outyield it so that hybrids for grain in the very short season counties are still a questionable proposition.

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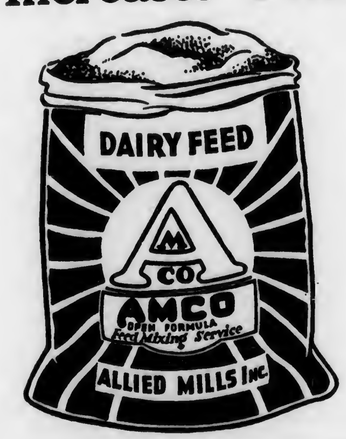

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SOME TRENDS IN DAIRYING

An Address by CHARLES W. HOLMAN *of Washington, D. C., Secretary of the National Cooperative Milk Producers' Federation, to the Annual Meeting of the Pennsylvania Dairymen's Association, Harrisburg, Pa., January 23, 1941.*

While Mr. Marshall was speaking of the many changes that have taken place in our institutions, I recalled a story that I once heard a distinguished educator tell a group of children of whom I was one. He claimed that it was from *Alice in Wonderland*, but I have not been able in later years to find the episode. Perhaps it is not in the later editions. At any rate, you remember that Alice had fallen down the hole, met the rabbit, and finally arrived at the headquarters of the Queen who was very much like our English grandmothers and some of our other grandmothers in Pennsylvania and New England, and other places, with their black silk dresses and stiff backs, and their complete and thorough control of everything that went on. Alice was trying to make an impression upon the Queen and said, "Back in my country people have to run and run and run to get anywhere." The Queen sniffed, looked down her nose and said, "That's nothing; here you have to run and run and run to stay where you are!"

As I look at the picture of dairy cooperatives today, I am inclined to think that this story of Alice is most applicable and I suspect that in some respects we are no longer running as fast as we might because our team has gotten a bit cross-wise. We can't run well as we could if we were all working together as we generally do. As a result, unless we look out we are liable to be left behind and may not even be able to stay where we are.

In discussing some trends in dairying, let me first bring to your attention what to me in some respects is the most interesting trend that I have observed. Dairying is rapidly becoming professionalized for a number of reasons. And as it becomes professionalized, the total number of dairy farmers whose product is sold in the commercial markets is decreasing. Conversely, the per capita production of the dairy farms is definitely increasing. One of the causes may be laid to the inevitable competition between the efficient producer, or the one who is trying to become efficient, and the one who cannot meet the demands of modern conditions and stay in business.

The second, and perhaps the most important contributory cause, is the pressure upon the inefficient producer of the increasing tendency on the part of towns and cities of this country to establish quality standards for milk. This is a most definite trend; and often, in establishing such standards, the health authorities pay more attention to the aesthetic than to the practical aspect of the regulations. I think that perhaps this trend is one of the most important reasons why our commercial diary farmers are declining in number. To illustrate that decline, let me point out what is taking place within our own national federation. Today we have more member associations in the Federation than we had ten years ago, and the Federation has not as yet lost a member association by virtue of its withdrawal. Yet within the membership of our member organizations during the decade we have lost about 90,000 odd families. Yet the same organizations which have recorded loss in individual membership, in nearly every case show increases in the volume of milk sold by them as compared with what they sold ten years ago.

Now the development of the health ordinance is, of course, a problem all by itself. It arises from the desire of enlightened people in an urban community to protect their own health. The establishment of health regulations does not originate from any desire

to protect farmers. In many instances farmers supplying municipalities have not been consulted and in many instances their suggestions as to what might be practical have been disregarded. Also we must note that increasingly there is a tendency on the part of the municipalities to add to the regulations thus entailing more and more expense on the part of producers and handlers.

Increasingly, also, is there a tendency to require that not only shall fluid milk and cream come under these regulations, but that milk going into every other type of dairy product shall, in time, conform to the same regulations. That tendency is one of such tremendous importance that we should most carefully weigh it. I do not think that it is beyond the bounds of imagination to say that within the next decade at least a minimum requirement of inspection comparable with the inspection of the average city of 100,000 inhabitants will be applied to all milk produced in the United States entering commercial channels, regardless of the use to which it is put.

I also notice a tendency on the part of municipalities to forget that inspection is for the benefit of their particular taxpayers, and to shift the burden of inspection on to the dairy industry in many ways. Two rather extreme examples of this come to my mind. In St. Louis the entire cost of inspection has been placed upon the milk dealers of that city, and the per capital cost of inspection in St. Louis is well above the average. In Chicago a movement began recently to shift the entire burden of inspection upon the component parts of the milk industry on the basis of obtaining a revenue of approximately 2 cents per 100 pounds for the Health Department. The plan was to charge the individual producer 1¼ cents per 100 pounds and collect the remaining ¾ cent from other elements of distribution. A private calculation made for me by a man who knows the Chicago milk situation very well indicated that the collections under this proposed assessment would amount to about $390,000 per year. Further calculations indicated that even with the milk inspection work over-staffed and overly frequent, it would be difficult to spend over $350,000 for this work. That would leave about $40,000 collected from dairy farmers and others to be spent generally by the Health Department for such projects as it might please.

While I am advised that this project did not originate within the Health Department but in the City Council, Chicago is not the only place where efforts to shift the cost of inspection away from municipal taxpayers have occurred. Many of the smaller cities of this country are establishing regulations and requiring either the dealers or the farmers, or both, to pay inspection expenses. In some of our eastern municipalities, and in some other places, you will also find a trend whereby the city authorities beyond a certain zone require applicants for permits to pay the cost of the extra inspection. Such tendencies if not thoroughly examined and if not opposed and broken down by the united opposition of the producers may settle an additional burden upon the returns of milk of many millions of dollars just for inspection. By way of further comparison, the average per capita cost of a city population of inspection work is less than 6 cents, according to studies made by the U. S. Public Health Service in some 1,240 cities. Under the proposed Chicago plan when costs are laid upon the industry, the per capita cost would be approximately 10 cents.

As the health regulations and policies develop these aesthetic tendencies, we also note that there is a tendency to overstaff and overman Health Departments. In one city alone, until recently, one inspector was assigned to handle 500 farms. Today an inspector of that same city's Health Department is only required to take care of 300 farms.

And now I come to the most dangerous part of the health regulation trends as they may affect producers for city milk sheds. Powerful forces are working to bring about universal health ordinances or, in lieu of them, to achieve reciprocal recognition of municipal or state inspections of the milk supply. We have the U. S. Public Health Service laboring to get communities to accept its so-called standard milk ordinance as a minimum requirement. We have a most vocal band of socio-economic theorists who strangely enough interpret these health regulations to be "trade barriers" instead of organic growths representing different stages of conception of what constitutes necessary health requirements as attained by the people in the separate municipalities. We have great organizations of capital owning chain distributing outfits who could well profit by either universalization or reciprocal recognition of inspection by communities. To illustrate, let us suppose that Cleveland accepts Philadelphia's inspection and Philadelphia accepts Cleveland's inspection. Under free competition, milk and cream could then flow freely between these communities without much further thought about it.

To the average citizen this might seem like a splendid idea. But such a condition could easily be turned to the disadvantage of producers. Let us assume that in each of these cities there might be a subsidiary of a national distributing organization, each purchasing milk on a use-classification basis. Under free competition it would be a simple matter for the Cleveland subsidiary to dispatch its surplus milk to Philadelphia where the Philadelphia subsidiary could market it in the higher class brackets. Under such conditions producers in the Cleveland market would not receive any higher prices for their product, but the producers in the Philadelphia market would find that the Cleveland supply would displace certain quantities of the Philadelphia Class I supply, forcing the producers of the Philadelphia milk shed to take lower prices for that part of their product which had been displaced. Little by little the total amount of this outside milk could increase until a relatively high percentage of the Philadelphia milk supply would be forced into surplus classifications.

Even under State control it is entirely likely that this same program could be made to operate. Its result would be an upsetting of the natural flow of milk, a decreased price return to the Philadelphia producers, a weakened cooperative in the Philadelphia milk shed and a greater profit for the distributing organization.

It is not surprising, then, that certain great organizations in milk distribution are working assiduously to bring about reciprocal recognition of inspection.

One further comment on regulation, but regulation of a different character. We have a tendency toward increased severity and impracticability of Federal regulations governing the labeling of natural food products. This has been made possible by the enactment of a new federal food and drug act. In administering it the officials of the Food and Drug Administration appear to be moving rapidly into a hazy realm of impracticability. For example, under proposed regulations, if one advertised that milk were rich in a particular vitamin such a person would be required to place on the milk bottle a label of approximately 250 words. In that label one must outline a prescription for uses of the milk in that particular bottle, so that the user would know what quantity must be given to an infant each day, how much to a growing child, how much for an adult, and so on, in order to obtain the minimum vitamin needs of the individual. Just how to prepare such a label and to attach it to a bottle and still be able to see the milk in the bottle is left to the ingenuity of the person selling it.

Should such a regulation as is proposed be put into effect and an inspector should come along and pick up one of those bottles and find the vitamin content was a bit off

that day, the advertiser and the user of the label could be made subject to the severest penalties of the law.

Now we all know that a properly printed label would hide the contents of the bottle. We also know that in order to guarantee the minimum amount of vitamins in milk one would have to run assay tests. We also know that an assay test requires from 6 to 8 weeks for completion. In order, then, to be on the safe side of the law it would be necessary to hold one's fresh milk in storage until the assay tests could make sure that one had complied with the regulations. Such is the absurb condition that is being forced on us as a result of extremist attitudes toward labeling of natural foods and the advocacy of their real merits.

I now come to perhaps the most important part of my talk. At this point I desire to say that with respect to everything that I have said or shall say today, I absolve our member associations from any responsibility. I happen to know that with regard to most of the things I am saying I am on fairly safe ground, but there are some things which I feel it my duty to bring to your attention that have not yet come before our people for joint consideration. On matters where we have a policy, I do not express any personal opinions. On rare occasions where we do not have a policy, I may do so. I now intend to discuss some aspects of public milk control, and I shall confine myself solely to the Federal experience.

It is hardly necessary to recall to you that the move for public control of milk prices began in the depression period when chiseling was rampant. In that period many of our leaders felt that it was necessary to bring public assistance to the aid of the cooperatives to save dairy farmers from a more serious disaster than was already their lot. Accordingly, they sought and secured a grant of Federal power of almost war-time proportions. This grant was lodged in the person of the Secretary of Agriculture. Then began a series of battles with the Department of Agriculture in an effort to work out a sane and satisfactory policy of administering the law. Wide differences of opinion lasted for about two years. Thereafter the views of the Department officials and those of the cooperative leaders grew closer and resulted in the eventual passage of the Agricultural Marketing Agreement Act of 1937.

In the beginning, I believe I am correct in saying that nearly all of our people looked upon Federal milk control as a matter of an emergency and temporary character. In their hearts they looked forward to a time when they could resume their practices of marketing milk under conditions of free competition. They accordingly took the position that if the Federal government should require taxpayer A (the dealer) to guarantee and pay to taxpayer B (the producer) a minimum income, the Government had a moral responsibility to taxpayer A to see that he did not lose any money. In other words they held that the Federal agreements, licenses and later orders should specify both minimum producer and actual resale prices of milk and its products.

This view the Secretary of Agriculture accepted very reluctantly and finally discarded. Thereafter the Federal policy was to guarantee only minimum prices to producers in the interstate milk sheds.

The Agricultural Marketing Agreement Act of 1937 was a product of joint agreement between cooperative leaders and Federal officials based upon trial and error. When passed we thought it was pretty good, and most of us still think it is pretty good. But the experiences since its passage have shown that some amendments are needed and in proof of this I might cite the joint advocacy of amendments represented by the Gillette

bill S. 3426, which passed the Senate in the last Congress and had the support not only of cooperative dairy leaders and general farm organizations, but also the Federal officials.

Within the last few months I have come to the conclusion that there are perhaps additional weaknesses in the Act or at least in the procedure which is being carried out under the Act. I have come to believe that the democratic processes, of which we have been so proud in the administration of this act, may be seriously threatened, jeopardized and possibly destroyed unless we think through some of the newer problems lately presented and act carefully, cautiously and sanely in connection with this problem.

Under my conception of the Act the producer initiates the move for an order or an agreement. The Secretary receives the views of the producer and others as to what should be in such an order. He then exercises his judgment as to the type of order or agreement to propose to a community. The producer then has the right to reject the proposed order or proposed amendments which may be submitted after hearings. Bearing in mind the interplay of forces, it requires great tact and delicacy of handling and much forbearance and a general attitude of "give and take" on the part of all parties to make such a program achieve the fine point of balance between the necessary restraints of public authority upon evildoers and the retention by the producers of their autonomy. I am both happy and proud to say that until lately this objective has been so well attained that I have frequently referred to this act and its administration as a model and a pattern. How to maintain that balance in my private judgment lies primarily in the type of procedure which may be adopted by the Federal authorities in administering the act.

Lately I have been alarmed and somewhat sorrowful over tendencies which have shown up in the Department with regard to this question of procedure. The incidents of the New York controversy, whose merits I do not intend to discuss today, insofar as procedure is concerned are not peculiar to the New York case. Intervention by the Federal authorities in referendums or in determinations has occurred in other markets. However, whether such intervention has been made with the acquiescence or even the request of producer groups, I am of the firm opinion that it should at no time occur even under the guise of providing producers with educational facts. I do not believe that any person connected with the Federal establishment in any way should be permitted to attempt to lead, to guide, or to intimidate producers in their right to decide as they please what they want to do with respect to a referendum or an order or on any amendments thereto. It is too dangerous a power to place in the hands of a public official.

Looking then toward the need of a thorough discussion of the whole question of procedure, I am going to raise at this time fourteen questions of bearing upon the maintenance of the democratic processes in administering this act. Here they are:

1. Shall the public hearing evidence be the sole basis of framing an order or an amendment?

2. Shall there be a time limit placed upon secretarial action following a hearing? As the order now stands, often applications for amendments are held up from three to seven or eight months. Many of the actions started last year were held up until after the November election.

3. If a decision on an application for an amendment is adverse, should the Secretary be required to issue a public statement explaining his reasons for deciding adversely?

4. If amendments are proposed for a referendum, shall the producer be allowed to vote on them separately, as well as collectively?

5. Shall a vote on the amendments to an order be considered a vote or an amended order or shall the relationship of the amendments to the orders be separate and the farmers vote only on the amendments, leaving the order untouched?

6. Shall the Secretary and all Federal employees be prevented from interfering in any way to influence the results of a referendum?

7. Shall the functions of the Federal milk marketing administrators be limited with regard to their activities in the making of community opinion?

8. When producers are required to go to a polling place, shall they be required to sign their names and addresses on the ballot, or shall they be allowed to vote in the established secret ballot manner?

9. Shall we permit representatives of interested producer groups to confer with Department officials regarding the actual terms of proposed orders or amendments prior to their formal publication?

10. Shall we require the Secretary to hold a public hearing before he shall be empowered to suspend or terminate an order on his own initiative?

11. Shall we insure the authority of hearing masters in connection with public hearings and their reports concerning same?

12. Shall we require the so-called "consumers' counsel" which is lodged in the Department, to sit at the counsel table, whereas he now sits on the hearing bench, and limit his power of action with regard to any proposed order or amendment to the facts that he may put into the public hearing record?

13. Shall we require the Secretary to make public regulations covering every step in the procedure which is to be followed by interested parties and all Federal employees? Shall such regulations disclose the various steps and every step in the movement of an order or an amendment and the offices through which the order or the amendment would have to move until it is finally signed, so that interested parties may know how these matters are actually decided?

14. Shall Cooperatives in the Federally controlled interstate markets be required to justify in a public hearing why and in what amount they are entitled to collect for the so called cooperative service payments from the market pool prior to its distribution by the Federal Milk Market Administrator.

To my mind, those are some very important questions which ought to be thought out and thought through. There may be many more.

I have a feeling that public control of milk is to be with us for a long time. I have a further feeling that it is much better to cooperate with a public authority than it is to fight. I believe we have at the present time in the Department a group of high-minded, well-meaning, sincere and capable men who would respond to reason. But we are all human and sometimes we move hastily. I also suspect that the writing into the law of some of these questions could be used by the secretary and his assistants as means of protecting themselves from a great mass of criticism and discontent. Certainly the way toward constructive action would be made clearer if some of these points were now spelled out instead of left in the hazy places where lawyers can disagree. Lawyers can't decide whether it is right or wrong. Only judges can do that

Finally, and in conclusion, may I point out that in this day of change, the distributors have decided to take some lessons from the milk producers. They have moved to Washington in a big way. They have established a huge lobby there. They are getting ready to fight their battles somewhat more openly than they have in the past and with abundant funds and possibly under fairly able generalship. A quarter of a million dollars whould be no great amount of meny for them to raise, if they want it. Twenty-five thousand dollar salaries and elaborate expense accounts for their executives don't worry them at all.

So I warn you that unless our people stop their bickerings over small things, make some sacrifices, find a way to see the other fellow's point of view, learn to give and take a little bit, and get back the fighting heart—that kind of fighting heart which in earlier years caused us to be known and named through America as the Rainbow Division of Agriculture—we will be picked off by the enemy one market at a time, just as the British today are picking off the Italian defenses.

We can do it; we have always done it. We have always found a way to get together. Although this is the first time that I have known our people in some communities to allow their market conditions to interfere with their love for each other and their desire to work together for national objectives. That, however, is not as serious as the outsider thinks it to be. But I do frankly think that we need to be reawakened and I do hope that we will all think about this, and that we will get both our heads and our hearts together and renew and win the Battle of Dairy Cooperation.

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KEEPS BACTERIA COUNTS DOWN AND AVOIDS REJECTS

The HTH-15 Sanitation Program is the safe way to low count milk and to avoid rejects. Thousands of dairymen prefer HTH-15 for sterilizing utensils and other equipment because it kills bacteria quickly, is more economical and meets the most rigid sanitary requirements.

EASY TO USE—LOW IN COST

HTH-15 is a chlorine carrier in *free-flowing* powder form in a can. It is easier to use, costs less, is a dependable sterilizer and is harmless to dairy metals. Get HTH-15 at your dealer's or write for complete sanitation program and FREE 3 oz. sample. 910-C

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WRIGHTSVILLE, PA.

Hats off to the first cow bred, owned and tested in Penna. to make 1000 lbs. fat in Class B

Lauxmont Rag Apple Nettie, A daughter of Montvic Rag Apple Netherland.

Former Class Leader as a two year old with 19,990 Milk 807 Fat in Class B. Now finishing at 5 years with better than 1000 Fat. She milked 50 lbs. in her 11th mo. on test and tested 4.6%. Over 50 paternal sisters of this great heifer have completed records with close to 4% test. We have to offer at this time 6 sons of Montvic Rag Apple Netherland. As he is approaching 14 years of age there may not be many more. May we suggest that you get yours now?

Herd average 5 years CTA 11,900 Milk 449 Fat. Our herd holds 7 Pa. State Records and 1 National Class Leader Record.

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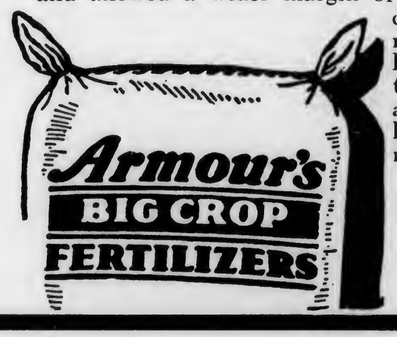

ARMOUR FERTILIZER WORKS

BALTIMORE, MARYLAND

PROGRAM

Pennsylvania Dairymen's Association

Banquet—January 22, 1941

Wednesday Evening—6:00—Camp Curtin Methodist Church

6th & Woodbine Streets, Harrisburg, Pa.

Toastmaster —PROF. R. M. OLMSTEAD, *Head Dairy Ext.* Pennsylvania State College

Entertainment—THE KEYSTONE QUARTETTE—Courtesy Pa. R. R. Co.
GEORGE BAILEY, Freeport, Pa., Magician.

Address —*Secretary of Agriculture* HONORABLE JOHN H. LIGHT

Prize Awards —

Thursday Morning—10:00 o'clock—Jan. 23, 1941

Small Auditorium—Farm Show Building

10:00 A.M.—Report of Officers—R. D. MARSHALL, *President*
CHAS. E. COWAN, *Secretary*

Report of Auditors—CLARENCE LYONS, Strasburg, *Chairman*
LUKE MARTIN, Goodville

10:15 A.M.—Address—History of Dairying in Pennsylvania—PROF. A. A. BORLAND, *Head of Department of Dairying*, Pennsylvania State College.

10:35 A.M.—Address—Trends in Dairying—CHAS. W. HOLMAN, *Sec'y., The National Cooperative Milk Producers' Federation*, Washington, D. C.

11:15 A.M.—Address—Economic Conditions and Pennsylvania Dairying—DR. F. F. LININGER, *Vice-Dean of School of Agriculture*, Pennsylvania State College.

Thursday Afternoon—1:15 o'clock—Jan. 23, 1941

Small Auditorium—Farm Show Building

1:15 P.M.—Business Meeting

Report of Committees—Resolutions—FRANK GORHAM, Wysox, Dairy League
G. A. BURDICK, Wrightsville, Holstein
ROBERT ENO, Honesdale, Ayershire
B. H. WELTY, Waynesboro, Inter-State
A. J. BULLER, Brookville, Guernsey
PAUL KORB, Wellsboro, Jersey
RAYMOND STEELE, New Alexandria, D.C.S.A.
LESTER P. FREY, Reigelsville, Pa., Brown Swiss

Nominating—CHARLES R. GEARHART, State College
JAMES N. MACKISON, Delta
EARL L. GROFF, Strasburg
L. M. HUTCHINSON, Mount Union
SAMUEL B. WILLIAMS, Middletown
N. K. McCULLOUGH, Newville

Election of Officers

Address—Calfhood Vaccination and Bangs Disease Control—DR. H. M. O'REAR of *Federal Bureau of Animal Industry*, Washington, D. C.

Address—Hybrid Corn—DR. G. H. STRINGFIELD, the *Agronomy Dept. Ohio Agricultural Experiment Station*

Short Conference Conducted by PROF. J. B. R. DICKEY, *Ext. Agronomist* of Pennsylvania State College.

Northampton County Holstein-Friesian Club

Member Pennsylvania Federation of Holstein-Friesian Clubs

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B. L. HINDENACH, Pres.
R. D. 4, Easton, Pa.

V. A. HOUSTON, Sec'y
R. D. 1, Northrmpton, Pa.

FINANCIAL REPORT

RECEIPTS

Balance in Lancaster Bank as per audit January 17, 1940	$ 99.88
Received from sale 1940 banquet tickets	261.25
Received for ads in 1940 Year Book	282.00
Received for 1939 membership, 1 @ $1.00	1.00
Received for 1940 memberships, 456 @ $1.00	456.00
Received for 1941 memberships, 77 @ $1.00	77.00
Received for 4 years' advance dues (Warren Whittier)	4.00
Received for ads in 1941 Year Book	58.00
Received at Dairy Queen Contest dinner	37.00
TOTAL	$1276.13

EXPENDITURES

1940 Annual Banquet and Entertainment	$ 268.90
Pennsylvania State Council Farm Organizations	5.00
Cow Testing Association ribbons and certificates	126.00
Printing 1940 Year Book (750 copies)	417.50
Association badges, 1940-1941-1942	16.50
Executive Committee expense	20.25
National Dairy Show Booth	130.89
Dairy Queen Contest	96.60
Stationary, receipt books, registration cards, etc.	66.05
Telephone and telegraph	10.01
Clerical expense and office supplies	30.77
Postage and parcel post	44.84
Bank service charge	5.42
TOTAL	$1238.73

January 15, 1941—Balance in Bank	$ 37.40
Outstanding checks—Total	$ 13.50
Presented bills accounted for.	

By: CHARLES E. COWAN, Sec'y.-Treas.
Pennsylvania Dairymen's Association

The undersigned auditors have examined the various items of the Sec'y-Treasurer's account of the Pennsylvania Dairymen's Association, such as membership record, bank statements, receipts, etc. for period January 1, 1940 to January 15, 1941, and have found accounts in order and correct.

LUKE W. MARTIN
CLARENCE LYONS
Auditors

MERIT AWARDS

Presented at the Banquet of the

PENNSYLVANIA DAIRYMEN'S ASSOCIATION

January 22, 1941

NATIONAL AND STATE AYRSHIRE BREEDERS' ASSOCIATION:

A Silver Trophy to Ray L. Williams, Peits Hurst Farm, Narbeth, Pa.
High Herd in Herd Test—Lbs. Milk: 12,832; Llbs. Fat: 518

A Silver Trophy to Roselawn Farm, Malvern, Pa.
Second High D.H.I.A. Herd—Lbs. Milk: 10,608, Lbs. Fat: 454.0

PENNSYLVANIA BROWN SWISS BREEDERS' ASSOCIATION:

A Set of three tuned Swiss Bells to Myers Bros., Myersdale, Pa.
High D.H.I.A. Herd—Lbs. Milk: 10,349; Lbs. Fat: 440.8

PENNSYLVANIA GUERNSEY BREEDERS' ASSOCIATION:

A Silver Tray to Alvin Sutliff, Benton, Pa.
Highest Registered Guernsey Herd in D.H.I.A. (15 cows or more)
Lbs. Milk: 10,816; Lbs. Fat: 552.6

A Silver Tray to Dundee Farms, Sewickley, Pa.
Highest Registered Guernsey Herd in D.H.I.A. (less than 15 cows)
Lbs. Milk; 10,172; Lbs. Fat: 487.9

Set of Plaques to F. G. Hayden, Elizabeth, Penna.
Highest Golden Guernsey herd in D.H.I.A.
Lbs. Milk: 10,593 Lbs. Fat: 545.6

PENNSYLVANIA JERSEY CATTLE CLUBS:

A Gold Model Cow to Estate of L. B. Carter, Titusville, Pa.
High R of M Cow (365 day mature equivalent)
Easter Blonde 1149277 Lbs. Milk: 17,324; Lbs. Fat: 858.28

A Gold Model Cow to P. P. Korb, Wellsboro, Pa.
High D.H.I.A. Herd (Less than 10 cows) Lbs. Milk: 8,432; Lbs Fat: 538.2

A Gold Model Cow to School of Horticulture, Ambler, Pa.
High D.H.I.A. Herd (over 10 cows) Lbs. Milk: 9,182; Lbs. Fat: 510.8

A Gold Model Cow to Wm. A. E. Leityinger, Clearfield, Pa.
High Herd Test Herd—Lbs. Milk: 8,275; Lbs. Fat: 455.6

A Gold Model Cow to C. W. McConaughey, Smicksburg, Pa.
High Herd Test Herd (Less than 10 cows) Lbs. Milk: 9,232; Lbs. Fat: 452.2

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WRIGHTSVILLE, PA.

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Pennsylvania Dairymen's Association

Banquet—January 22, 1941

Wednesday Evening—6:00—Camp Curtin Methodist Church

6th & Woodbine Streets, Harrisburg, Pa.

Toastmaster —PROF. R. M. OLMSTEAD, *Head Dairy Ext.* Pennsylvania State College

Entertainment—THE KEYSTONE QUARTETTE—Courtesy Pa. R. R. Co.
GEORGE BAILEY, Freeport, Pa., Magician.

Address —*Secretary of Agriculture* HONORABLE JOHN H. LIGHT

Prize Awards —

Thursday Morning—10:00 o'clock—Jan. 23, 1941

Small Auditorium—Farm Show Building

10:00 A.M.—Report of Officers—R. D. MARSHALL, *President*
CHAS. E. COWAN, *Secretary*

Report of Auditors—CLARENCE LYONS, Strasburg, *Chairman*
LUKE MARTIN, Goodville

10:15 A.M.—Address—History of Dairying in Pennsylvania—PROF. A. A. BORLAND, *Head of Department of Dairying*, Pennsylvania State College.

10:35 A.M.—Address—Trends in Dairying—CHAS. W. HOLMAN, *Sec'y., The National Cooperative Milk Producers' Federation*, Washington, D. C.

11:15 A.M.—Address—Economic Conditions and Pennsylvania Dairying—DR. F. F. LININGER, *Vice-Dean of School of Agriculture*, Pennsylvania State College.

Thursday Afternoon—1:15 o'clock—Jan. 23, 1941

Small Auditorium—Farm Show Building

1:15 P.M.—Business Meeting

Report of Committees—Resolutions—FRANK GORHAM, Wysox, Dairy League
G. A. BURDICK, Wrightsville, Holstein
ROBERT ENO, Honesdale, Ayershire
B. H. WELTY, Waynesboro, Inter-State
A. J. BULLER, Brookville, Guernsey
PAUL KORB, Wellsboro, Jersey
RAYMOND STEELE, New Alexandria, D.C.S.A.
LESTER P. FREY, Reigelsville, Pa., Brown Swiss

Nominating—CHARLES R. GEARHART, State College
JAMES N. MACKISON, Delta
EARL L. GROFF, Strasburg
L. M. HUTCHINSON, Mount Union
SAMUEL B. WILLIAMS, Middletown
N. K. MCCULLOUGH, Newville

Election of Officers

Address—Calfhood Vaccination and Bangs Disease Control—DR. H. M. O'REAR of *Federal Bureau of Animal Industry*, Washington, D. C.

Address—Hybrid Corn—DR. G. H. STRINGFIELD, the *Agronomy Dept. Ohio Agricultural Experiment Station*

Short Conference Conducted by PROF. J. B. R. DICKEY, *Ext. Agronomist* of Pennsylvania State College.

Northampton County Holstein-Friesian Club

Member Pennsylvania Federation of Holstein-Friesian Clubs

Our membership includes the leaders in our own and surrounding counties, who are striving for the best in Holsteins, as regards Health, Production, and Type.

Let us help you locate the kind of breeding stock you need from clean herds with high D.H.I.A. records.

B. L. HINDENACH, Pres.
R. D. 4, Easton, Pa.

V. A. HOUSTON, Sec'y
R. D. 1, Northrmpton, Pa.

FINANCIAL REPORT

RECEIPTS

Balance in Lancaster Bank as per audit January 17, 1940	$ 99.88
Received from sale 1940 banquet tickets	261.25
Received for ads in 1940 Year Book	282.00
Received for 1939 membership, 1 @ $1.00	1.00
Received for 1940 memberships, 456 @ $1.00	456.00
Received for 1941 memberships, 77 @ $1.00	77.00
Received for 4 years' advance dues (Warren Whittier)	4.00
Received for ads in 1941 Year Book	58.00
Received at Dairy Queen Contest dinner	37.00
TOTAL	$1276.13

EXPENDITURES

1940 Annual Banquet and Entertainment	$ 268.90
Pennsylvania State Council Farm Organizations	5.00
Cow Testing Association ribbons and certificates	126.00
Printing 1940 Year Book (750 copies)	417.50
Association badges, 1940-1941-1942	16.50
Executive Committee expense	20.25
National Dairy Show Booth	130.89
Dairy Queen Contest	96.60
Stationary, receipt books, registration cards, etc.	66.05
Telephone and telegraph	10.01
Clerical expense and office supplies	30.77
Postage and parcel post	44.84
Bank service charge	5.42
TOTAL	$1238.73

January 15, 1941—Balance in Bank	$ 37.40
Outstanding checks—Total	$ 13.50
Presented bills accounted for.	

By: CHARLES E. COWAN, Sec'y.-Treas.
Pennsylvania Dairymen's Association

The undersigned auditors have examined the various items of the Sec'y-Treasurer's account of the Pennsylvania Dairymen's Association, such as membership record, bank statements, receipts, etc. for period January 1, 1940 to January 15, 1941, and have found accounts in order and correct.

LUKE W. MARTIN
CLARENCE LYONS
Auditors

MERIT AWARDS

Presented at the Banquet of the

PENNSYLVANIA DAIRYMEN'S ASSOCIATION

January 22, 1941

NATIONAL AND STATE AYRSHIRE BREEDERS' ASSOCIATION:

A Silver Trophy to Ray L. Williams, Peits Hurst Farm, Narbeth, Pa.
High Herd in Herd Test—Lbs. Milk: 12,832; Llbs. Fat: 518

A Silver Trophy to Roselawn Farm, Malvern, Pa.
Second High D.H.I.A. Herd—Lbs. Milk: 10,608, Lbs. Fat: 454.0

PENNSYLVANIA BROWN SWISS BREEDERS' ASSOCIATION:

A Set of three tuned Swiss Bells to Myers Bros., Myersdale, Pa.
High D.H.I.A. Herd—Lbs. Milk: 10,349; Lbs. Fat: 440.8

PENNSYLVANIA GUERNSEY BREEDERS' ASSOCIATION:

A Silver Tray to Alvin Sutliff, Benton, Pa.
Highest Registered Guernsey Herd in D.H.I.A. (15 cows or more)
Lbs. Milk: 10,816; Lbs. Fat: 552.6

A Silver Tray to Dundee Farms, Sewickley, Pa.
Highest Registered Guernsey Herd in D.H.I.A. (less than 15 cows)
Lbs. Milk; 10,172; Lbs. Fat: 487.9

Set of Plaques to F. G. Hayden, Elizabeth, Penna.
Highest Golden Guernsey herd in D.H.I.A.
Lbs. Milk: 10,593 Lbs. Fat: 545.6

PENNSYLVANIA JERSEY CATTLE CLUBS:

A Gold Model Cow to Estate of L. B. Carter, Titusville, Pa.
High R of M Cow (365 day mature equivalent)
Easter Blonde 1149277 Lbs. Milk: 17,324; Lbs. Fat: 858.28

A Gold Model Cow to P. P. Korb, Wellsboro, Pa.
High D.H.I.A. Herd (Less than 10 cows) Lbs. Milk: 8,432; Lbs Fat: 538.2

A Gold Model Cow to School of Horticulture, Ambler, Pa.
High D.H.I.A. Herd (over 10 cows) Lbs. Milk: 9,182; Lbs. Fat: 510.8

A Gold Model Cow to Wm. A. E. Leityinger, Clearfield, Pa.
High Herd Test Herd—Lbs. Milk: 8,275; Lbs. Fat: 455.6

A Gold Model Cow to C. W. McConaughey, Smicksburg, Pa.
High Herd Test Herd (Less than 10 cows) Lbs. Milk: 9,232; Lbs. Fat: 452.2

PENNSYLVANIA FEDERATION OF HOLSTEIN CLUBS

Certificate to L. A. Zimmerman, Lehighton, Pa., R.D. 2
High D.H.I.A. Herd Class B
Lbs. milk: 18283 Lbs. fat : 657.1

Certificate to H. K. Benner, Vicksburg, Pa.
High D.H.I.A. Herd Class C
Lbs. milk:15389 Lbs. fat : 537.1

Certificate to Western Penitentiary, Bellefonte, Pa.
High Registered and Grade D.H.I.A. Herd
Lbs. milk: 16741 Lbs. fat : 565.6

Certificate to L. A. Zimmerman, Lehighton, Pa., R.D. 2
High D.H.I.A. Cow Class B
Ormsby Pansy Lady Segis 1610707
Lbs. milk: 24092 Lbs. fat : 885.6

Certificate to J. H. Lear, Carlisle, Pa., R.D. 5
High D.H.I.A. Cow Class C
Ormsby Spot Donsaskia 1604471
Lbs. milk: 17144 Lbs. fat: 712.0

Certificate to George L. and Albert B. Craig, Craola Farm, Imperial, Pa.
High H.I.R. Herd Class C
Lbs. milk: 11,808 Lbs. fat : 435.5

Certificate to Marion C. Harper, Newtown, Pa.
High H.I.R. Herd Class B
Lbs. milk: 15,752 Lbs. fat : 552.2

Certificate to the estate of Willis M. Hunsberger, Plumsteadville
High H.I.R. Cow Class B
Canal Coye Ormsby 1443017
Lbs. milk: 19,032 Lbs. fat : 733.7
and High H.I.R. Cow Class C
Belle Crest Ormsby Grace 1466227
Lbs. milk: 15,768 Lbs. fat : 588.8

Certificate to Pennsylvania State College
High A. R. Cow Class A
Penstate Creator Barbara 1575445
Lbs. milk: 27,205.7 Lbs. fat : 940.1

Certificate to Lauxmont Farms, Wrightsville, Pa.
High A. R. Cow Class B
Pietertje Ormsby Rose Homestead 1598268
Lbs milk: 21,749.1 Lbs. fat : 911.5
and High A. R. Cow Class C
Pride Mercena Ormsby Della 1689981
Lbs. milk: 18,434.8 Lbs. fat : 753.7

SPECIAL MILK PRIZES

AWARDED AT BANQUET

INTER-STATE MILK PRODUCERS' COOPERATIVE, INC.:

For the highest scoring sample of milk produced by a member in Pennsylvania territory was won by James R. Wood, Nottingham, Chester County. This sample scored 98.2%. It was the highest scoring sample of milk in the contest.

PENNSYLVANIA AYRSHIRE BREEDERS' ASSOCIATION:

For the highest scoring milk from a registered Ayrshire herd was won by Terrance Farms, Titusville, Crawford County. This sample scored 96.5%.

THE PITTSBURGH DISTRICT DAIRY COUNCIL:

Offered a prixe of $10.00 for the highest scoring sample of milk produced by a D.C.S.A. member. This prize was won by Clyde Houck, Clymer, Indiana County. This sample scored 96.4%.

A $5.00 prize for the second highest scoring sample of milk produced by a D.C.S.A. member was won by Frank Scheffer, Emlerton, R.D. 1, Clarion County. This sample scored 96%.

THE PENNSYLVANIA FEDERATION OF HOLSTEIN-FRIESIAN:

Offered a prize of a Gold Medal for the highest scoring sample of milk from a herd of purebred Holstein-Friesian cattle that are under the Pennsylvania Plan for eradication of Tuberculosis and Bang's Disease. The medal was won by R. D. Marshall, Beyer, Indiana County. This sample scored 94.10%.

DAIRYMEN'S LEAGUE COOPERATIVE ASSOCIATION, INC.:

Prize of a clipping machine offered for the highest scoring sample of milk produced by a member in Pennsylvania territory was won by C. B. Allshouse, Tunkhannock.

PENNSYLVANIA GUERNSEY BREEDERS ASSOCIATION:

Offers a Guernsey cream jug to the highest scoring sample of milk:

1st, from a Registered Guernsey herd. It was won by W. H. Dreibelis & Sons, Shoemakersville, Berks County.

2nd, from a Registered and Grade or Grade Guernsey herd. It was won by James R. Wood, Nottingham, Chester County.

3rd, from the herd of a Golden Guernsey Producer. It was won by Hartwell E. Roper, Kirkwood, Lancaster County, whose sample scored 96%.

4th, from Golden Guernsey Pasteurized milk. This award was won by Brookmead Guernsey Dairies Inc., Wayne, Delaware County.

PENNSYLVANIA JERSEY CATTLE CLUB:

Offered a gold medal for the highest scoring sample of raw Jersey Creamline milk. It was won by E. N. Garrison, Millerton, Tioga County. 95.90%.

RESOLUTIONS

The following resolutions were presented by the Chairman of the Resolutions Committee and unamiously approved by the Annual Meeting, January 22-23, 1941.

RESOLUTION 1

WHEREAS the operation of the Eckles Relief Bill which provides that all children under 16 years of age and all invalids in families on relief receive one pint of fluid milk per day, has resulted in sales of five million dollars worth of milk during the past year,

AND WHEREAS the health of the recipients has been improved by this measure, a distinct contribution to our public defense program

AND WHEREAS the market for fluid milk has been increased by approximately 2½ million dollars by this measure,

THEREFORE BE IT RESOLVED that the Pennsylvania Dairymen's Association asks that the milk relief provisions of the Bill be allowed to continue.

RESOLUTION 2

WHEREAS dairymen in general are not satisfied with the milk sanitation law now in operation

AND WHEREAS during the last Legislature the entire dairy industry, after weeks of discussion and conference, fully approved the Mundy-Chapman Bill which was not enacted into law,

AND WHEREAS the entire dairy industry at this time is still in accord with the provisions of the Mundy-Chapman Bill and feel that it is distinctly superior from every standpoint to Act 210 now in force,

THEREFORE BE IT RESOLVED that the Pennsylvania Dairymen's Association favor the introduction of the Mundy-Chapman Bill or its equivalent in the present session of the Legislature and do everything possible to cooperate with its other proponents in the industry to promote its passage.

RESOLUTION 3

WHEREAS the State of Pennsylvania is the only state in the Nation which prohibits the use of dry milk in the manufacture of sausage.

AND WHEREAS the use of dry skimmilk in sausage manufacture is a standard practice in the sausage industry, adding to both the palatability and nutritional values of the product,

AND WHEREAS a bill has been introduced in the House of Representatives by Representative Knoble to strike out the words "dry milk" from the list of substances prohibited in sausage manufacture,

THEREFORE BE IT RESOLVED that the Pennsylvania Dairymen's Association favor the passage of the Knoble bill thereby permitting Pennsylvania sausage manufacturers to follow standard practices general throughout the nation and providing Pennsylvania dairymen with a new outlet for their surplus products.

RESOLUTION 4

RESOLVED that the Pennsylvania Dairymen's Association go on record as recommending that appraisals, disposition of positive cattle and disinfecting of premises be carried out with dispatch.

BE IT FURTHER RESOLVED THAT THE Bureau of Animal Industry use its good offices in following up indemnity claims so that they may be made at the earliest possible moment after disposal of diseased cattle.

RESOLUTION 5

WHEREAS there recently has been considerable agitation springing from concealed sources, for the removal of regional and state wide requirements which have proved of benefit to agriculture and particularly to dairymen.

AND WHEREAS a committee on State Government set up by the Legislature of Pennsylvania is reported to be considering for inclusion in its report, recommendations relating to oleomargarine and milk control

AND WHEREAS such recommendations are not based, so far as this Association is informed, upon information received after conferences or consultation with recognized farmers' organizations,

NOW THEREFORE BE IT RESOLVED that Pennsylvania Dairymen's Association is opposed to any drastic change in those laws or regulations which have proved beneficial to farmers and to dairymen,

AND BE IT FURTHER RESOLVED that we protest against any state agency making any recommendations for changes in such laws or regulations without consulting with this and other farmers' organizations in the State,

AND BE IT FURTHER RESOLVED that this Association direct its President to call a conference of farm organizations to consider the advisability of making a formal and united protest.

RESOLUTION 6

WHEREAS The Bureau of Animal Industry is making rapid progress in eliminating Bangs disease from the cattle herds of our State

AND WHEREAS no less than 18 counties have been tested on an area basis and 17 accredited with 5 more counties signed up and awaiting test

AND WHEREAS the cost of eradicating this disease will be lowered, both to the dairymen and to the State government by rapidly pushing the progress of this testing campaign,

THEREFORE BE IT RESOLVED that the Pennsylvania Dairymen's Association ask the legislature to appropriate 2½ million dollars to carry forward this program during the next biennium

AND BE IT FURTHER RESOLVED that because of an excess in Federal Funds now available, which will revert to the Federal Government unless matched by State funds before July 1st at least 20% of the new appropriation be made available on passage, to the end that the progress of the program between now and July 1st may be expedited as much as possible.

RESOLUTION 7

WHEREAS the Pennsylvania Dairymen's Association recognizes the value of Cow Testing Association work by giving suitable ribbons to C.T.A. members who have cows or herds that show meritorious results in C.T.A. work,

AND WHEREAS Cow Testing Association records are included in the Association's Annual Report, a copy of which is mailed to all members of the Association

AND WHEREAS we believe members of the C.T.A. should be interested in a copy of this report

THEREFORE BE IT RESOLVED that the president appoint one or more members from each county to confer with the Cow Testers and directors of the association to see if a program can be worked out to enlist cow testing associations in building a larger membership in the Pennsylvania Dairymen's Association and thus place our Association in a position to render more services to the dairymen of Pennsylvania and the industry as a whole.

RESOLUTION 8

BE IT RESOLVED THAT we thank the Pennsylvania Railroad for having furnished for our banquet program, the services of their splendid male quartette which has added to the pleasure of each of our members attending the banquet

AND BE IT FURTHER RESOLVED that we appreciate the generosity of the Pennsylvania Railroad in making possible this musical feature without expense to our Association.

RESOLUTION 9

WHEREAS the Pennsylvania Dairymen's Association has had considerable influence over a period of many years in shaping and guiding policies both legislative and educational, which have been helpful to dairy farmers and the dairy industry in general,

AND WHEREAS the scope of this work has continuously broadened and thus taken more time and placed more responsibility on the officers and Executive Committee of this Association

AND WHEREAS an enormous amount of work was required of these officers in doing our part toward making the National Dairy Show a success,

AND WHEREAS there are very little funds available for such work,

NOW THEREFORE BE IT RESOLVED that this body extend a rising vote of thanks to these officers in appreciation of their untiring efforts during the past year.

RESOLUTION 10

WHEREAS The United States Bureau of Animal Industry has recently announced the results of long years of experimentation with calfhood vaccination in the control of Bang's disease and has suggested to the various state bureaus of animal industry a general plan for putting calfhood vaccination into operation.

AND WHEREAS the Pennsylvania Bureau of Animal Industry has drawn up an optional plan of Bang's disease control, incorporating the calfhood vaccination principle

AND WHEREAS this plan and the rules for its operation in no way conflict with the test and slaughter plan now in effect which will be continued unchanged for such dairymen as prefer it

NOW THEREFORE BE IT RESOLVED that the Pennsylvania Dairymen's Association approve the new optional plan drawn up by the Pennsylvania Bureau of Animal Industry and urge that it be placed in operation at an early date in the herds of such owners as desire to incorporate the calfhood vaccination method in their disease control program.

AMENDMENT TO RESOLUTION 10

RESOLVED that the subject matter of this resolution be referred to the Executive Committee of this Association, with power to act after conferring with the Executive Committees of the Breed Organizations and the Bureau of Animal Industry.

Dairy Herd Improvement Association Herd Honor Roll, 1940

During 1940 Pennsylvania Dairymen's Association awarded Meritorious ribbons to all Cow Testing Association Members qualifying in the Various Classes. Following is a listing of the numbers and their herd production.

Supervised by C. R. GEARHART

Compiled by I. O. SIDELMANN

ADAMS COUNTY—(Adams Association)

Paul R. Kline, Tester, New Oxford, Pa.

Name of Owner	*Address*	*Av. No. Cows*	*Breed*	*Lbs. Milk*	*Lbs. Fat*
*Mrs. Mabel Walker Willebrandt	Fairfield, Pa.	15.42	RH:GrG	13,616	525.1
M. L. Shifman	Guernsey, Pa.	16.18	RG	9,043	427.7
B. J. Griffie	York Springs, Pa.	8.61	R:GrH	11,747	426.6
Roy W. Bream	Gettysbury #2, Pa.	8.04	RA	9,973	413.4
E. W. Weaner	Gettysburg #4, Pa.	27.38	R:GrH	10,511	357.9
Norman King	York Springs, Pa.	12.57	RG	7,039	357.7
Mrs. Rose Murren	Hanover #4, Pa.	19.72	R:GrG	7,421	350.7
S. L. Wolf	New Oxford #1, Pa.	18.91	Mixed	7,731	341.4
Joseph Stoner	York Springs, Pa.	13.35	Mixed	9,187	339.4
Edgar Leer	York Springs, Pa.	22.70	RH	9,061	316.2
Irvin Hostetter	Littlestown, Pa.	36.52	GrG:Mixed	7,710	315.7
W. Clayton Jester	Biglerville, Pa.	17.79	R:GrG	6,735	312.9
F. M. Anderson	York Springs, Pa.	11.66	R:GrH	8,879	312.8
Glenn Sterner	Gettysburg #4, Pa.	15.24	R:GrH	9,034	312.2

*Milked three times daily.

ALLEGHENY COUNTY—(Allegheny Association)

Alfred Shingledecker, Tester, Imperial, Pa.

Dundee Farm	Sewickley, Pa.	8.01	RG	10,172	497.9
Fairacre Farm	Sewickley	9.64	RG	10,068	474.4
E. N. Stoner	Wilkinsburg, Pa.	31.82	Mixed	11,884	437.8
J. H. Wilson & Sons	Clinton, Pa.	14.13	RH	13,101	417.7
Craola Farms, Inc.	Imperial, Pa.	14.44	RH	10,805	400.8
Pgh. City Home & Hosp.	Mayview, Pa.	47.16	RH	11,702	387.3
Allegheny Co. Home	Woodville, Pa.	134.27	RH	11,345	395.5
John Bamford	Midway, Pa.	23.05	RJ	7,673	387.7
H. A. Berry	Imperial, Pa.	17.08	R:GrJ	7,206	356.0
Sunny Slope Farm	Coraopolis, Pa.	13.68	R:GrG:R:GrH	7,647	348.9
Jos. W. Cain	Bulger, Pa.	22.15	RJ	7,232	348.8
Robert Reiter	Turtle Creek, Pa.	16.43	R:PH:GrG	9,268	347.0
Wm. A. Smith	Pittsburgh, Pa.	8.02	RH	6,448	346.6
Allegheny Co. Workhouse	Blawnox, Pa.	56.22	GJ	6,742	343.9
R. B. McKee	McDonald, Pa.	12.93	R:GrG:Mixed	7,434	339.9
Guy A. McWreath	McDonald, Pa.	17.56	RH	10,254	332.5
Newsome Gr. & Feed Co.	Coraopolis, Pa.	19.93	R:GrH:GrG	8,406	324.8

ALLEGHENY COUNTY—(Elizabeth Association)

Richard Hayden, Tester, Elizabeth, Pa.

Frank L. McKinney	Elizabeth, Pa.	19.41	R:GrH:RG	12,939	484.6
Walter B. Scott	Elizabeth, Pa.	21.79	R:GrH	11,049	404.5
E. B. Douglass	Elizabeth, Pa.	11.47	RG:RH	8,132	351.6
C. E. Mowry	Willock, Pa.	20.23	GrG	7,537	349.3
J. D. Guffey	Elizabeth, Pa., R.D.	22.22	RH	9,524	336.5
C. William Stoner	Elizabeth, Pa.	14.44	R:GrH	9,153	317.5
Henry Hofmeister	Monongahela, Pa.	13.14	RH:GrC	8,627	313.5

ARMSTRONG COUNTY—(Armstrong Association)

Robert Damon & Henry Miller, Testers, Kittanning, Pa.

Name of Owner	Address	Av. No. Cows	Breed	Lbs. Milk	Lbs. Fat
*Koenig Brothers	Tarentum, Pa., R. 1	14.49	RH	11,381	430.4
M. O. Henry	Climax, Pa.	20.13	GrG	7,787	421.9
R. D. Marshall	Beyer, Pa.	25.38	RH	12,555	418.2
John M. Reed	Kittanning, Pa., R. 3	36.72	RG	8,786	417.4
J. M. Patterson	Apollo, Star Route, Pa.	15.13	GrH:GrG	9,542	401.2
Armstrong C. Home	Kittanning, Pa., R. 5	10.89	RH	10,682	377.1
C. B. McNees & J. F. Shaffer	Kittanning, Pa., R. 3	16.70	RG	7,176	345.9
V. C. Townsend	Avonmore, Pa., R. 1	12.83	Mixed	7,784	339.1
H. S. Hogg	Worthington, Pa., R. 2	21.42	GrH:GrG	8,251	335.3
H. C. Lewis	Kaylor, Pa.	39.05	P:GrH:Mixed	8,578	328.5
McCullough Farms	Kittanning, Pa., R. 1	36.22	R:GrH	9,059	321.5

BEDFORD COUNTY—(Bedford County Association No. 1)

Norbert Gritsmaker, Tester, Bedford, Pa. Rd. 4.

Pritts & O'Brien	Manns Choice	20.33	RJ	8,636	459.2
Paul Koontz	Bedford, Rd. 2	15.29	RJ	7,960	457.5
Ransom Furry	New Enterprise	16.58	R:GG	8,924	456.1
Arthur E. Woy	Everett, Rd. 2	11.93	R:GrG	9,994	452.6
McKinley Woy	Everett, Rd. 2	8.92	RG	9,208	433.7
S. L. Cessna	Bedford, Rd. 4	17.85	RH	12,598	431.1
Samuel C. Diehl	Bedford, Rd. 4	10.71	RH:RG	10,979	401.6
Wilbur J. Little	New Enterprise	19.30	R:GrJ	7,700	400.2
J. Paul Stein	Everett	12.59	R:GrJ	7,362	391.3
Waterbrooks Farm	Schellsburg	35.66	RJ	6,907	389.5
Walter F. Schell	Schellsburg	11.81	GrJ	7,413	380.0
Stanley A. Koontz	Bedford, Rd. 4	29.70	RJ	6,832	376.4
Street & Oster	Bedford, Rd. 3	18.19	R:GrJ	8,263	374.4
Charles A. Koontz, Jr	Bedford, Rd. 4	17.72	R:GrJ	7,437	370.9
Ivan Wilson	Midland, Md	13.57	Mixed	7,820	359.3
Clarence H. Detwiler	Woodbury	12.33	R:GrG	7,828	359.0
Fred Crawford	Everett	19.19	R:GrJ	7,448	358.2
Earl Jackson	Crystal Springs	16.47	GrG	6,952	355.4
J. Ed. Miller & Sons	Midland, Md.	20.86	RH:RJ	8,272	348.9
Perry Morgart	Bedford, Rd. 4	27.96	R:GrJ	6,464	347.6
M. R. Llewellyn	Midland, Md.	26.29	GrH	9,634	339.5
Allen Eshelman	Everett, Rd. 3	18.25	R:GrJ	6,812	336.3
D. Luke Bowser	New Enterprise	15.40	R:GrH:G	7,652	327.2
J. J. Fritz	New Buena Vista	15.40	R:GrG	6,170	312.2

BERKS COUNTY—(Central Berks Association)

Nathan Hoppes, Tester, West Leesport, Pa.

William Werley Bros	Hamburg, R.D.	29.59	R:GrH:GrG	11,956	416.7
Martin Wolfskill	Bernville, R.D. #2	26.06	R:GrH	12,177	410.3
Henry K. Phillips	Mohrsville, R.D. #1	27.66	GrG	8,846	405.1
Herbert Zweizig	Hamburg, R.D. #1	15.50	R:GrH:GrG	11,168	392.0
Walter A. Spatz	Bernville R.D. #2	14.91	R:GrH	10,856	387.5
Raymond P. Delong	Bowers, P. O.	33.66	RG	7,790	380.4
J. Albert Fink	Hamburg, R.D.	21.20	GrH:GrG	10,239	372.7
Wilmer J. Althouse	Hamburg	16.42	Mixed	9,810	371.3
John W. Wessner	Kutztown, R.D. #1	19.33	GrH:GrG	10,086	370.1
George W. Focht	Bernville, R.D. #1	22.16	G:GrH:GrG	9,688	364.1
James W. Phillips	Centerport	15.33	GrH	9,474	356.9
Harvey Mathias	Bernville, R.D.	21.17	R:GrH	9,852	341.5
Raymond Faust	West Leesport R.D. #1	16.58	Mixed	8,437	335.9

Name of Owner	Address	Av. No. Cows	Breed	Lbs. Milk	Lbs. Fat
Irvin K. Miller & Son	Kutztown, R.D.	19.40	R:GrG:GrH	7,967	333.8
W. S. Stitzel	Shoemakersville	21.16	Mixed	8,984	332.7
Frank P. Althouse	Hamburg R.D. #1	12.75	R:GrH	9,315	324.2
Daniel E. Heffner	Reading, R.D. #2	22.07	R:GrH:Mixed	8,375	322.7
Frank W. Ruppert	Singing Springs, R.D.	27.27	GrH:Mixed	8,273	306.1
George Ruth	Bernville, R.D.	18.00	R:GrH	9,080	302.2
Grover V. Long	Maiden Creek	12.02	R:GrH	7,574	300.3

BERKS COUNTY—(Northern Berks Association)

John T. Pence, Tester, Court House

H. Robert Mays	Stony Creek Mills	45.81	RG	7,845	407.1
Howard H. Lutz	Kempton	11.39	R:GrH	12,085	394.1
Walter Binkley	Lititz	19.09	RG	8,020	387.9
Stephen Golubics	Fleetwood, R.D. #2	13.90	RG	7,878	368.8
Harvey Merkel	Kutztown	17.96	R:GrH:GrG	10,699	367.2
David R. Mell	Hamburg	27.88	R:GrH	10,357	359.0
John A. Kalbach	Shartlesville	50.46	R:GrH:GrG	10,287	351.3
Clayton Koenig	Bernville	20.72	R:GrH:Mixed	9,439	347.1
Herbert W. Seidel	Virginville	14.59	R:Agr:R:GrH	8,718	344.5
*Fred P. Fisher	Quakertown	49.10	R:GrH:Mixed	9,637	341.9
Floyd Merkel	Hamburg	21.89	R:GrH	9,501	324.0
Zenas Balthaser	Sinking Springs	13.54	GrH	9,285	323.7
Joe Graybill	Manheim	24.59	R:GrH	10,265	315.2
Paul Kohler	Hamburg	29.00	R:GrG	6,554	309.7

*Milked three times daily.

BERKS COUNTY—(Western Berks Association)

Woodrow A. Schlegel, Tester, Court House, Reading, Pa.

*Riveredge Farms	Reading R. #2	34.45	RG	10,705	523.8
*Flying Hill Farms	Reading R. #1	63.02	RG	10,174	498.6
Ray Wiedman	Sinking Springs R. #2	1 .01	R:GrH	13,986	455.2
W. H. Driebelbis Sons	Shoemakersville	27.52	RG	8,184	407.0
*Lonicera Farms	Douglassville	64.95	R:GrG	7,868	402.8
Paul Degler	Sinking Springs	27.94	RH	11,593	389.1
Charles Riegel	Sinking Springs	34.40	R:GrH:GrG	10,624	381.5
Charles Ritzman	Sinking Springs	17.76	R:GrH	11,152	374.5
Bethany Orphans Home	Womelsdorf	22.25	R:GrH	11,002	373.3
*Wernersville State Hospital	Wernersville	83.88	GrH	10,933	370.3
Lee Gundy	Mohnton R. #1	9.92	RG	7,083	359.2
I. I. Wells, Est.	Pottstown R. #1	32.32	RG	7,016	351.8
Berks County Alms House	Shillington	48.24	R:GrH	9,451	330.0
L. G. Schaum	Womelsdorf	5.84	RH	9,784	329.8
*Belle Alto Farms	Wernersville	129.15	R:GrG	6,833	326.6
F. M. Brown Sons #1	Birdsboro R. #1	23.74	R:GrH	9,571	317.7
Stone Manor Farms	Reading R. #1	38.22	R:GrG	6,347	309.1

*Milked three times daily.

BLAIR COUNTY—(Blair Association)

Kenneth Sollenberger, Tester, Hollidaysburg, Pa.

D. A. Morrow	Tyrone, R.D.	12.30	RG	9,603	495.1
Emory Sollenberger	Williamsburg, R.D.	10.12	RH	12,898	475.4
John W. Burket & Son	Tyrone, R.D.	13.11	R:GrG	9,426	461.3
J. Edgar Black	Altoona, R.D.	15.68	Mixed	10,183	430.7
Albert Smith	Hollidaysburg, R.D.	17.86	R:GrG	8,757	404.2
L. K. Sollenberger	Curryville	18.36	R:GrG	8,112	389.1
W. H. Pease	Tyrone, R.D.	16.42	G:GrG	8,028	381.2
Oak Manor	Martinsburg, R.D.	11.96	G:GrG	8,040	381.2
Emory T. Huntsman	Martinsburg, R.D.	30.50	R:GrH:Mixed	9,307	377.2

Name of Owner	Address	Av. No. Cows	Breed	Lbs. Milk	Lbs. Fat
K. S. Bagshaw	Hollidaysburg	11.84	R:Sw	8,600	357.3
G. Clair Smith	Martinsburg, R.D.	18.30	R:GrH	8,843	352.5
M. C. Bagshaw	Hollidaysburg, R.D.	11.43	R:Sw	8,340	348.1
John Sollenberger	Martinsburg, R.D.	10.32	R:GrG	7,008	342.4
Herbert Bridenbaugh	Martinsburg, R.D.	25.41	R:GrG:Mixed	7,583	340.9
Preston C. Smith	Martinsburg, R.D.	13.36	R:GrH	8,674	336.8
**Elmer Leighty	Duncansville, R.D.	5.48	GrG	6,667	332.2
John S. Metzker	Martinsburg, R.D.	24.30	RH	8,922	328.5
J. M. Delozier	Hollidaysburg	15.10	R:Sw	8,191	325.7
Sunny Mead Farms	Altoona, R.D.	76.63	R:GrG	6,456	317.2
E. C. Bender	Martinsburg, R.D.	20.17	R:Sw:GrG	7,514	316.2
Alva Long	Portage, R.D.	63.85	R:GrG	6,289	314.5

**Ten Month Record.

BRADFORD COUNTY—(Canton Association)

Dean E. Morgan, Tester, Canton, Pa.

Herman Crandall & Son	Monroeton	16.17	R:GJ	8,372	437.0
R. H. Fleming	Troy	22.95	RH	11,711	429.2
Elwin Baldwin	Canton	16.04	R:GH	11,329	410.1
Emmor Pepper	Granville Summit	10.97	RH	12,179	406.2
H. J. Wilcox & Sons	Canton	9.51	GG	8,101	404.2
*J. C. Fleming & Son	Granville Summit	16.51	R:GG	7,961	393.0
John L. Brackman	Canton	21.04	R:GG	8,356	390.6
*T. M. Watts	Canton	18.80	R:GH	10,460	389.7
Clarence Spencer	Canton	19.36	GH	10,540	389.0
Paul Selleck	Canton	10.84	R:GH	10,352	380.9
P. L. Isaacs	Canton	22.10	RH	9,165	357.3
Clifford Landon	Canton	8.56	R:GH	9,942	355.6
Leon Morgan & Son	Canton	9.98	RH	9,139	343.6
R. G. Williams & Sons	Canton	14.63	RH	10,271	342.7
H. G. Wright & Son	Canton	17.13	R:GG	6,984	340.9
Mrs. Emma Mason	Canton	12.75	R:GH	9,391	338.8
T. D. Stone	Canton	15.87	GH:GG	8,635	329.4
M. Fay VanDyke & Son	Canton	23.31	Mixed	7,230	325.9
E. J. Seeley & Son	Canton	22.89	P:GH:GJ	8,129	323.7
Charles Bedford	Canton	21.29	R:GH:Mixed	7,602	319.0
W. R. Wright	Canton	24.57	RG	6,490	313.7
***Earl Wilcox	Canton	11.26	Mixed	7,744	313.0
J. D. Becker	Canton	15.42	R:GH	8,757	310.9
Harry R. Howlett	Granville Summit	27.89	GG	6,540	302.8
T. A. Dodge & Son	Monroeton	19.88	PJ	6,178	301.0

*Milked three times daily for 4 mo.
***Record made in ten months.

BRADFORD COUNTY—(Laurel Hill Association)

Leon Musser, Tester, Towanda, Pa.

Royal D. Slater	Towanda, Pa., R.D.	14.72	R:GH:GJ	11,055	427.8
F. W. Gorham	Wysox	16.01	RH	12,059	417.1
George W. Canfield	Stevensville	17.17	RH	12,202	409.8
Lewis Landmesser	Monroeton	25.18	R:GH:Mixed	9,772	391.4
George Eisner	Rome	6.80	GH:Mixed	9,025	373.0
George M. Jones	Little Meadows	9.64	GG:GH	8,163	368.4
A. E. Madigan	Towanda	13.27	GH	9,396	348.8
Mervin E. Neal	Ulster	16.55	R:GH:GJ	9,293	347.7
F. O. Kuhns	Towanda	11.82	RA	7,941	326.7
Olyn Johnson	LeRaysville	22.55	RH	9,122	318.7
George H. Davis	LeRaysville	35.47	GG:GH	7,274	314.6
Bradford Co. Home	Troy	23.67	R:GH	8,150	310.7
Leland Kipp	New Albany	22.85	RH	8,985	308.7
Fox Chase Farms	Towanda	190.34	R:GH:GG	8,000	306.4
George H. Pettes	Orwell	10.64	Mixed	8,188	300.1

BRADFORD COUNTY—(Troy Association)

Adrian Binford, Troy, Pa., Frank Fleming, Alba, Pa., Testers

Name of Owner	Address	Av. No. Cows	Breed	Lbs. Milk	Lbs. Fat
Elery Beach & Son	Col. X Roads	14.41	RH	12,350	443.4
Ben Ballard & Son	Troy	21.90	RH	10,760	401.8
Mrs. Nina B. Calkins	Troy	21.64	RH	11,170	395.5
J. W. Burnham	Troy	18.36	RH	11,137	393.0
Solomon Peters	Troy	12.38	RH	10,692	376.8
Hosia Wolf	Col. X Roads	15.47	RH	9,989	357.8
David J. Rheam	Canton	21.36	Mixed	8,488	336.5

BRADFORD COUNTY—(Western Bradford Association)

Adrian Binford, Tester, Troy, Pa.

*George & Mark Scott	Troy, Pa.	43.22	R:GH	11,295	402.1
J. M. Rockwell & Son	Troy, Pa.	16.12	R:GH	10,770	373.2
Harold Z. Roy	Gillett, Pa.	21.22	GG	7,110	342.4
Beaman & Ritz	Snedekerville	26.93	GH:RH:Mixed	8,729	339.1
Millard Sterling	Gillett	20.07	R:GJ	5,653	305.6
Leslie Ameigh	Gillett	22.05	Mixed	6,041	304.0

*Milked three times daily for five mos.

BRADFORD COUNTY—(Ulster Association)

Arthur Young, Tester, Ulster, Pa.

H. J. Layman	Ulster	18.98	R:GH:R:GJ	10,847	450.0
H. W. Russell	Orwell	18.95	R:GH:P:GJ	10,477	425.1
H. G. vonWolffradt & Son	Athens	17.57	RJ	7,582	413.6
G. E. Harris	Milan	12.91	RJ	7,167	412.8
Alvin O. Huff	Milan	10.48	RJ	6,765	403.0
L. A. Harris	Milan	13.40	RJ	6,771	401.0
*Damon R. Young	Milan	13.22	RJ	7,125	389.7
Chas. S. Chaffee	Ulster	23.03	RH	10,565	386.1
Irvin Macafee	Milan	18.29	RH	10,129	355.9
H. C. Shores & Son	Milan	29.24	P:GH:GJ	9,238	353.5
M. R. & A. B. Humpton	Milan	14.86	RJ	6,267	352.9
G. E. Balletine	Milan	13.77	RJ	5,979	340.8
R. B. Arnold	Milan	21.81	R:GH:Mixed	9,198	337.5
M. A. Cranmer	Ulster	38.60	Mixed	7,894	325.2
E. A. Keeler	Milan	11.83	RJ	6,375	324.9
I. P. Chaffee	Towanda, R.D. 5	21.91	RJ	6,246	324.5
Chas. W. Chandler	Athens	13.70	R:GG	6,921	319.2
Jesse Sumner	Milan	14.50	GJ:Mixed	6,357	312.8
B. E. Horton	Ulster	23.25	GJ:Mixed	6,572	308.6

*Record made in 11 mos.

BRADFORD COUNTY—(Wyalusing Association)

Arthur Pettes, Tester, Wyalusing, Pa.

M. V. Bennett	Laceyville	19.99	RJ	8,245	444.5
O. L. Fish	Wyalusing	14.08	RH:Mixed	11,036	412.0
W. B. Kennedy, estate	Wyalusing	23.70	RH	11,602	375.1
*A. L. Burlington	Wyalusing	33.34	RH	11,598	373.5
Welbec Farms	Wyalusing	45.73	RG	7,627	354.2
Earl A. Browning	Wyalusing	23.09	RH	10,282	351.2
Gerald S. Shumway	Wyalusing	24.73	PH	9,810	341.7
John H. Howard	Wyalusing	23.27	RH	9,626	336.2
S. Frank Van De Mark	Wyalusing	10.81	RH	9,343	332.9
Taylor McCarty	Sugar Run	15.01	RH	9,195	330.2
Fred Peet	Laceyville	21.96	R:GH	9,416	329.7
James Van Auken	Rome	18.58	GH	9,081	310.9
Samuel Culver	Laceyville	23.39	RH	9,311	309.5

*Milked three times daily for five mos.

BUCKS COUNTY—(Group No. 1 Association

James Howes, Tester, Wrightstown, Pa.

Name of Owner	Address	Av. No. Cows	Breed	Lbs. Milk	Lbs. Fat
*Marion Harper	Newtown	17.34	RH	15,637	566.3
**J. P. Canby & Son	Hulmeville	58.84	RH:R:GrG	11,505	434.9
Alvin Worthington	Newtown	21.80	R:GrG	8,547	422.8
Amos & Helen Satterthwaite	Yardley	16.60	RH	11,915	410.0
***J. P. Cole	Richboro	28.94	RA	9,766	405.1
Willard W. Wright	Yardley	20.89	R:GrH	11,241	400.7
****George School Farm	Newtown	26.54	R:GrH	10,843	391.9
M. C. Satterthwaite	Woodside	16.05	RH	11,443	390.5
Bellemead Farm	Bristol	14.85	RJ	6,809	381.3
F. B. Williamson	New Hope	14.30	RG	7,520	377.6
*Phila. State Hospital Farm	Byberry	66.61	GH:GG	10,506	370.2
H. C. Wilson	Richboro	38.39	R:GrH:Mixed	9,493	361.6
M. C. Gutman	Newtown	13.29	R:GrG	7,709	352.0
L. P. Satterthwaite	Newtown	32.29	RH	10,098	350.0
I. Edgar Fulmor	Langhorne	36.76	R:Gr:H:Mix.	9.686	347.8

*Herd milked three times daily
**Part of herd milked three times daily.
***Part of herd milked three times daily for 3 mos.
****Part of herd milked three times daily for 4 mos.

BUCKS COUNTY—(Group No. 2 Association)

Earl Baum, Tester, 105 3rd St., North Wales, Pa.

Mrs. Bertha Ulrich	Perkasie, R.D.	22.19	RJ	8,003	408.6
M. C. Permar, Est.	Fountainville	12.28	R:GrH	11,457	393.9
Homer S. Wentz	Quakertown, R.D.	17.60	R:GrH	10,921	385.4
Max Frey	Ottsville	29.87	RJ	7,431	376.2
John C. Myers	Doylestown, R.D.	23.38	R:GrJ	7,033	371.6
J. Arthur Shelly	Fountainville	19.25	R:GrG	7,571	348.3
John L. Stover	Ivyland	19.25	R:GrH	10,026	345.8
Lee L. Koplin	Riegelsville	12.04	R:GrH:Mixed	9,365	342.5
Raymond I. Unangst	Springtown	41.58	R:GrH:GrG	9,052	340.9
Isaac S. Gross	Plumsteadville	23.79	RH	9,718	340.4
Bucks County Home	Doylestown	25.03	R:GrG	7,104	338.2
Z. Papciak	Quakertown, R.D. #1	26.60	R:GrG:R:GrH	7,838	328.5
Frank Oehrle	Hatboro	23.08	R:PH	9,521	327.7

BUCKS COUNTY—(Group No. 3 Association)

Earl Whitman, Tester, Dublin, Pa.

Tyson Nimick	New Hope	9.19	RA:Mixed	9,727	424.7
Claude Myers	Plumsteadville	22.63	R:GrG	8,200	417.8
Clayton M. Myers	Perkasie	12.11	R:GrJ:Mixed	8,458	400.9
H. M. Detweiler	Perkasie	17.79	RH	11,035	386.9
E. A. Williams	Wrightstown	14.23	GrJ:GrG	6,954	332.7
Partridge Hall Farm	Lahaska	21.88	R:GrG	6,605	304.7

BUCKS COUNTY—(Group No. 4 Association)

C. Robert Jones, Tester, Wycombe, Pa.

School of Horticulture	Ambler	14.73	RJ	9,182	510.8
Williams & Harley	New Hope	22.62	R:GrG	8,901	419.4
B. Frank Mullins	Pineville	17.61	R:GrH	10,934	389.4
Wilmer A. Twining	Wycombe	9.50	RH:Grj	10,333	389.1
Dr. George Kuesel	Wycombe	18.24	R:GrG	7,698	384.4
M. Hubert Walton	New Hope	15.03	R:GrG	7,312	379.8
James Work	Rushland	18.75	RG:RH:R:GrJ	8,841	373.8
George S. Havens	New Hope	19.17	R:GrG	7,705	372.0

Name of Owner	Address	Av. No. Cows	Breed	Lbs. Milk	Lbs. Fat
D. Robert Kisner	New Hope	17.73	R:GrJ:Mixed	8,876	361.2
Dr. F. M. Garver	Ivyland	23.60	RG	7,659	360.8
John Fox	Ivyland	18.91	R:GrG	7,600	359.1
Joseph W. Hallowell	Ivyland	18.52	RH	10,942	358.8
James Iden Smith	New Hope	27.54	R:GrG	6,940	355.1
K. U. Dairies	Holicong	44.89	R:GrG	7,390	354.0
W. C. & G. S. Clark	Lahaska	23.84	R:GrG	6,953	350.4
*Addis C. Worthington	Rushland	24.18	GrG:Mixed	8,257	339.3
Ralph T. Crowell	Buckingham	18.87	R:GrG	7,071	337.5
Homer A. Tomlinson	Newtown	18.96	R:GrJ	6,125	326.7
C. L. Wilkinson	Rushland	13.29	RH	9,065	310.2
Joseph S. Parry	Rushland	36.29	R:GrG	5,955	309.8
E. P. Thebaud	Buckingham Valley	14.80	R:GrJ:Mixed	6,593	306.3
Mrs. Gladstone Fessenden	Buckingham Valley	13.79	R:GrG	6,851	303.2

*Milked three times daily.

BUCKS COUNTY—(Group No. 5 Association)

Alfred C. Bleiler, Tester, Colmar, Pa.

*Willis M. Hunsberger	Plumsteadville	24.42	RH	13,787	521.0
E. F. Stewart	Colmar	15.43	RG	9,485	486.9
**C. H. Smith & Son	Wycombe	25.30	RG	9,347	481.4
Robert J. Boltz	Solebury	5.37	RG	9,254	458.0
Theodore Kleinhoff	Doylestown	12.57	R:GrG	9,034	454.6
*William F. Fretz	Pipersville	57.19	RG	8,300	427.3
Philip W. Smith	New Hope	35.72	RG	8,731	423.5
Joseph S. & Mabel R. Briggs	Yardley	26.98	RG	8,206	411.8
J. Howard Cliffe	Ivyland	26.88	RG:Mixed	7,726	386.9
William H. Doubler	Hartsville	29.65	RG	7,775	383.1
Ernest Foellner	Ottsville	35.51	RH	9,042	332.2

*Part of herd milked three times daily.
**Part of herd milked three times daily for 6 Mos.

BUTLER COUNTY—(Nothern Butler Association)

J. Dale McClymonds, Tester, R.D. Portersville, Pa.

Clyde Peffer	Portersville	7.34	RG	9,029	421.0
*C. A. Wachsmuth	Butler, Star Route	8.44	RG	8,689	417.7
Clyde Moore	Slippery Rock	11.51	R:GrG	7,940	400.0
Wolf Creek Farm	Slippery Rock	10.27	RG	7,728	385.8
J. Roy Humphrey	Slippery Rock	17.27	RJ	6,595	356.2
Hugh Fergus	Slippery Rock	38.66	Mixed	7,495	355.5
L. G. Stoughton	Butler R.D. 5	35.07	R:PJ	7,001	349.2
O. R. Olson	Portersville	8.64	RJ	6,779	346.7
R. N. Dickey	Slippery Rock	13.34	R:GrG	7,260	339.4
**W. A. Neuman	Evans City	15.58	RH	9,707	338.2
Joseph Logut	North Washington	17.55	GrG:GrJ	6,707	337.6
Frank J. Cooper	Slippery Rock	14.81	R:PJ	6,242	336.6
Oran Brandon	Slippery Rock	10.70	R:GrG:GrH	7,220	333.5
Merle G. Sutton	Butler, R.D. 1	8.01	RG	7,334	328.8
C. F. Laderer	Portersville	16.72	R:PJ	6,519	320.1
A. W. Zillifro	Slippery Rock	9.68	R:PJ	5,796	319.8
Frank V. Patterson	Slippery Rock	15.64	R:PJ	5,943	313.4
C. E. Reed	Slippery Rock	12.34	RG	6,850	300.9

*Herd milked three times daily for 3 mos.
**Part of Herd milked three times daily for three mos.

BUTLER COUNTY—(Southern Butler Association)

Elmer C. Dickey, R.D. Slippery Rock, Pa., Howard McMillen, R.D. 1, Home, Pa., Testers

C. R. Hartzell	Butler, R.D. 6	15.35	RG	8,171	433.0
Harper Leslie & Son	Sarver	13.29	R:GrH:GrG	9,351	357.7
Frank Shagets	Marwood	10.62	RH	10,497	355.7
Ralph Hay	Saxonburg	6.68	R:PH	9,232	349.2
A. J. Lang	Cabot	15.26	R:GrH	9,820	336.8
Simpson Bros.	Butler	19.69	P:GrH	8,924	327.3
H. E. Kennedy & Son	Cabot	11.62	R:GrH	8,733	312.9
H. P. Kennedy	Valencia	13.51	Mixed	7,533	308.3
R. W. Cramer & Sons	Freeport	26.43	R:GrH	8,610	301.9
L. G. Wilson	Valencia	13.51	RH	9,011	300.5

BUTLER COUNTY—(Central Butler Association)

Frank B. Wright, Tester, R.D. 1, Edinburg, Pa.

Ira Cleland	Harmony	22.38	R:PJ	7,252	396.5
John L. Wise	Harmony	21.72	R:GrH:GrG	10,519	381.5
Carl Weckerly	Renfrew	15.18	R:GrG	8,006	366.1
E. P. Gifford	Evans City	18.03	R:GrH	10,826	351.7
John L. Schiever	Harmony	31.88	R:GrJ:R:GrH	7,699	344.2
Frank F. Pflugh	Harmony	15.38	R:BrSw:Mixed	8,494	309.7

CAMBRIA COUNTY—(Central Pa. Guernsey Breeders' Association)

Robert C. Lydick, Tester, Clymer, Pa.

W. Griffith Estate	Ebensburg	18.95	RG	7,868	395.5
Ervin L. Bloom	Johnstown, R.D. 2	9.48	P:GrG	8,006	377.0
W. H. Fyock	Johnstown, R.D. 2	15.71	R:GrG	6,915	362.3
E. J. Farabaugh	Loretto, R.D.	20.97	GrG	7,234	346.6
Elmer Hughes	Ebensburg	13.34	Mixed	7,835	334.9
Frank Berkey	Johnstown, R.D. 2	7.77	Mixed	7,613	329.3
L. W. Kline	Cresson	18.71	GrG	6,841	326.2
Percy N. Helsel	Elton	17.10	RH:GG	8,448	315.9
Galen R. Metzgar	Johnstown R.D. 1	17.73	Mixed	7,177	308.3
George Kosaber	Portage, R.D.	29.81	Mixed	7,414	306.2
Cambria Co. Home	Ebensburg	26.70	R:GH	8,868	300.0

CENTRE COUNTY—(Centre County No. 1 Association)

Thomas Fox, Tester, Mill Hall, Pa.

*Western Penitentiary	Bellefonte, Pa.	87.29	R:GrH	16,741	565.6
**J. Harold Long	Salona, Pa.	6.87	GrG:GrH	12,662	511.9
Loudon Kyle	Mackeyville, Pa.	18.92	RH	13,097	463.6
Locust Lane Farm	Beech Creek, Pa.	14.93	RG	9,146	434.3
T. C. Kryder	Mill Hall, Pa.	11.83	RH	12,414	432.0
Frank Bitner	Mill Hall, Pa.	7.77	R:PH	12,145	412.1
E. M. Peters	Port Matilda, Pa.	11.28	R:PH:P:GrJ	9,873	400.5
H. L. Knecht	Mill Hall, Pa.	9.60	RH	11,284	400.0
Fox Brothers	Mill Hall, Pa.	10.96	R:GrH	11,127	395.9
Eugene Ellenberger	Warriors Mark	10.82	RJ	7,302	392.9
S. F. Esterline	Green Burr, Pa.	11.84	RJ	6,923	392.1
W. N. Knecht	Mill Hall, Pa.	9.77	R:GrH	11,003	377.5
H. L. Wilson	Warriors Mark	14.74	P:GrH	10,202	376.8
Mill Brook Farm	Mill Hall, Pa.	33.88	RH	10,390	373.3
Wm. R. Camerer	Jersey Shore, Pa.	15.73	R:GrH	9,926	362.9
J. Kline Confer	Salona, Pa.	14.29	R:GrH	9,310	336.9
Frank Keller	Bellefonte, Pa.	12.83	GrH	9,738	330.8
Mrs. J. T. Beckwith	Port Matilda, Pa.	30.67	R:GrH:GrG	8,433	325.3
Shoemaker Brothers	State College	24.76	R:GrH	9,470	323.3
Clair F. Burns	Warriors Mark	9.19	GrH:Mixed	8,532	323.2
G. G. Grieb & Sons	Tylersville, Pa.	19.98	R:GrG	6,282	311.2
George E. Weight	Bellefonte	13.86	R:GrH	8,546	307.0
Andrew C. Rockey	Bellefonte	13.36	R:GrH	8,743	302.7

*Milked three times daily.

** Milked three times daily for 10 months.
Milked four times daily for 2 months.

CENTRE COUNTY—(Centre County No. 2 Association)

Ira Whiteman, Tester, Oak Hall Station, Pa.

F. E. MacIntire	Rebersburg, Pa.	12.34	RH	12,676	447.2
*Penn. State College	State College	124.69	Reg. A:BrSw: G: H:J	10,937	430.0
Frank W. Ingram	Salona, Pa.	11.91	R:GrH	11,202	427.7
Harry E. Confer	Howard, Pa.	10.62	GrH	10,653	396.3
G. W. Ralston & Son	Centre Hall, Pa.	16.87	R:GrG	8,052	385.3
Ward C. Krape	Bellefonte, Pa.	17.45	GrH	11,735	382.1
Harry M. Smith	Bellefonte, Pa.	21.07	RH	10,719	378.6
George P. Gummo	Mill Hall, Pa.	13.46	RH	10,521	372.9
**LeRoy Wagner	Spring Mills, Pa.	14.03	GrH:Mixed	9,196	360.0
E. T. Bechdol Estate	Blanchard, Pa.	17.84	R:GrH	9,726	350.9
Walter E. Hackman	Rebersburg, Pa.	8.82	RJ	6,831	352.4
W. L. Confer & Son	McElhattan, Pa.	12.33	R:GrH	9,777	350.0
Valley View Farm	Howard, Pa.	9.16	R:GrH	9,355	348.6
J. G. Confer	McElhattan, Pa.	7.29	R:GrH	9,913	340.5
Charles Schenck	Howard, Pa.	14.19	GrH:GrS	9,342	338.2
J. David Hosterman	Spring Mills, Pa.	8.16	RG	6,328	323.1
Fern T. Dunkle	Centre Hall, Pa.	13.08	GrH	9,181	315.0
P. P. Henshall	State College, Pa.	17.91	R:GrH	8,825	302.7
H. V. Proctor	Hammersley Fork, Pa.	21.32	RG	6,189	300.4

*Milked three times daily.
**Milked three times daily for 11 months.

CHESTER COUNTY—(Chester Valley Association)

Warren H. Shingle, Tester, Downingtown, Pa.

H. B. Baird	West Chester	23.65	R:GrG	8,576	410.3
Lyndell Farms	Lyndell	21.10	R:GrG	8,405	393.1
Frank A. Keen	West Chester	25.09	RH	10,726	388.8
David Wright	West Chester	26.65	GrH:Mixed	7,916	384.1
Richland Dairy Farm	West Chester	26.61	R:GrH:Mixed	9,620	378.4
Ward Aaron	Glen Moore	15.20	Mixed	8,150	369.4
Jos. A. Bicking Est.	Whitford	30.16	GrG	7,319	362.4
Colebrook Farm	Downingtown	30.67	R:GrJ:R:GrG	7,409	358.2
John W. Davis	Downingtown	19.72	RG	7,388	353.6
Valley Brook Farm	Downingtown	32.57	RJ	7,105	347.8
R. E. Sharpless	Kennett Square	37.30	GrJ	7,223	347.3
H. W. Biddle	Lionville	24.59	GrG	6,914	335.9
Echolo Farms	Westtown	32.01	R:GrJ	6,610	333.2
Shirley Farms	Glen Loch	52.07	R:GrG	6,865	328.3
David McDaniel	West Chester	38.03	RJ	6,157	322.8
Thos. P. Harney	West Chester	30.58	Mixed	6,976	321.3
W. E. Payne, Jr.	Glen Moore	19.73	GrH:Mixed	7,672	300.0
J. L. Lohrke	Westtown	25.96	RG	6,278	300.0

CHESTER COUNTY—(Coventry Association)

James Bickel, Tester, Pottstown, Pa.

Warwick Furnace Farm	Glen Moore	80.21	GrG	9,326	45.50
*Pennhurst State School	Pennhurst	114.54	PH	12,882	444.9
S. H. Burbank	Pottstown, R.D. 2	13.80	R:GrG	8,914	423.3
R. S. Grubb	Phoenixville	20.82	R:GrG	8,874	420.4
Redding Furnace Farm	Elverson	60.00	RH:R:GrG	11,032	389.0
Valley Hill Farm	Phoenixville	42.62	R:GrG	7,711	381.9
Wm. M. High	Phoenixville	13.02	RH	10,415	373.1
Harry J. Bickel	Pottstown	25.39	RH:R:GrG	9,274	363.8
F. H. Gyger	Kimberton	34.40	R.H.	10,324	344.8
H. R. Swavely	Pottstown	43.06	GrH:GrG	9,615	343.5
Harvey Fisher	Phoenixville	19.62	Mixed	9,145	342.2
**Laurel Locks Farm	Pottstown	170.40	R:GrG	6,459	332.1
S. W. Edgar	Chester Springs	22.80	RG	6,552	328.5
H. L. Stoltzfus	Pottstown	25.74	RH	9,491	328.2

Name of Owner	Address	Av. No. Cows	Breed	Lbs. Milk	Lbs. Fat
Rudolph Kulp	Pottstown	20.27	R:PA	7,956	323.2
Walter Hibberd	Birchrunville	22.53	R:PG	7,085	321.2
George E. Beechwood	Chester Springs	37.49	RG	6,789	312.5

*Herd milked three times daily.
**Part time milked three times daily.

CHESTER COUNTY—(Oxford Association)

William Bleiler, Tester, Oxford, Pa.

H. S. Gatchell	Peach Bottom, Pa.	18.16	RJ	7,630	439.6
Lincoln University Fm.	Lin. Univ., Pa.	26.95	R:GrH:Mix.	10,795	411.6
*Longwood Farm	Kennett Square	56.76	RG	7,826	400.6
D. L. Gallagher	Peach Bottom	50.07	R:GrG	8,035	397.8
Edw. H. Goodwin	West Grove	23.51	R:GrJ:Mixed	7,880	392.8
Howard C. Wollaston	New Garden	20.12	RJ	8,023	385.1
Thomas Sloan	Oxford	22.67	R:GrG:R:GrH	8,772	383.2
Conner & Killinger	Avondale	49.31	R:GrJ	7,079	370.2
Caleb S. Chambers & Son	West Grove	14.42	GrH:Mixed	10,344	370.2
Everett Holt	Lincoln Univ.	24.23	R:GrJ:GrG	7,309	355.1
John Patton	West Grove	33.29	GrG	7,133	353.4
Mrs. Louise Wade	Chatham	46.05	Mixed	7,406	351.0
Dr. Edw. A. Webb	Avondale	25.08	R:GrG	7,468	351.0
Shortlidge, Countes & Mills	Lincoln Univ.	59.00	GrG:Mixed	7,808	348.8
Thomas Clement	Lincoln Univ.	18.50	RH	10,618	346.4
Lewis J. Brown	Nottingham	28.08	Mixed	8,130	344.7
Hayes Lindsey	Oxford	20.24	Mixed	7,408	340.0
H. L. Stubbs	Oxford	24.98	R:GrH:Mixed	8,275	332.5
Dickey & Lund	Oxford	37.49	GrG:GrH	6,913	328.6
John Dickey's Fm.	Oxford	20.33	G:GrH:GrJ	8,717	321.2
Charles Laurie	Oxford	22.13	Mixed	7,874	317.9
Savery Farm	Kennett Square	21.27	Mixed	7,123	307.4

*Part of herd milked three times daily.

CHESTER COUNTY—(West Chester Association)

Shannon Pepple, Tester, West Chester, Pa.

*Roselawn Farm	Malvern	29.56	RA	10,608	454.0
**E. Page Allinson	West Chester	39.34	R:GrG:RH	11,044	438.6
*Lister Farm	Newtown Square	61.17	RG	8,986	437.0
Harvey Williams	Coatesville	51.05	R:GrJ	7,254	376.9
Oakland Dairy Farm	Whitford	28.51	R:GrJ	6,748	395.5
Ernest T. Trigg	Malvern	31.25	RG:RJ	7,263	357.5
**Harry Samworth	Coatesville	15.05	RG	7,471	352.8
Delaware County Home	Lima	19.54	R:GrH	11,083	350.0
L. H. Schoff (Barn II)	Parkesburg	28.65	R:GrH	9,693	346.0
Garrett-Williamson Fm.	Newtown Square	29.86	R:GrG:R:GrH	7,796	339.2
Russel Jones	Westtown	50.19	R:GrH:RA	9,391	337.7
Dunwoody Home Farm	Newtown Square	21.66	RA	8,520	33.64
Marshall Jones, Jr.	Westtown	50.11	R:GrH	9,173	319.3
Westtown School Farm	Westtown	53.22	R:GrG:GrH	7,777	319.0
Wm. M. Darlington	West Chester	33.91	GrG:R:GrJ	6,594	313.5
Mrs. John C. Reid	Hockessin, Del.	20.35	RJ:R:GrG	6,215	304.3

*Milked three times daily.
**Part of herd milked three times daily.

CLARION COUNTY—(Clarion County 1st Association)

Robert Krieger and Casper Kohler, Testers, Clarion, Pa.

E. H. DeVilder	Miola	13.43	R:GG	8,413	443.3
O. S. Burnham	Corsica	13.96	R:GG	8,423	411.2
J. P. C. King	Summerville	6.48	RH	12,748	411.0
R. L. Fleming	New Bethlehem	21.52	RG	8,085	406.6
H. B. Hartman	Sligo	15.77	RG	7,753	404.2
Mrs. W. H. Fleming	New Bethlehem	8.67	RG	8,430	402.7

Name of Owner	Address	Av. No. Cows	Breed	Lbs. Milk	Lbs. Fat
J. E. Shook	Sligo	9.46	R:GG	7,990	402.1
Mrs. Olive Gruber	Hawthorn	16.81	R:GG	8,580	399.1
H. B. Truitt & Son	Truittsburg	15.50	P:GG	8,368	398.6
E. C. Frampton	Sligo	16.31	R:GG	7,590	385.3
A. F. Hartman	New Bethlehem	11.81	R:GG:GH	8,277	375.4
Mrs. D. A. Stahlman	New Bethlehem	11.59	RG	7,711	374.7
R. H. Shook	Sligo	22.38	R:GG	7,785	374.5
F. L. Stahlman	New Bethlehem	9.21	RG	7,134	370.0
C. A. & D. C. Wagner	New Bethlehem	10.28	R:GG	7,843	361.1
G. R. Kester	Foxburg	22.27	RG	7,794	360.2
J. W. M. Gruber & Son	Shippenville	44.73	R:GG	7,697	359.2
A. A. Ditz	Fryburg	15.46	R:GG:GH	8,389	355.0
O. E. Barto	Sligo	10.00	R:GG	6,878	346.0
Frank H. Pemce	New Bethlehem	17.47	GG	7,977	342.5
Walter R. Miller	Mayport	10.82	R:GG	6,948	337.3
J. E. Over	Sligo	9.40	R:GG	6,374	330.6
P. V. McCall	Sligo	9.94	R:GG	6,497	330.4
Roy D. Miller	Fairmount City	10.02	Mixed	6,801	330.3
J. M. Schmader	Lucinda	12.04	R:GG	6,240	328.6
W. W. Kirkpatrick	New Bethlehem	11.00	RH:GG	7,117	325.8
George Hoover	New Bethlehem	12.69	GH:R:GG	7,394	324.1
Arnold Shick	Mayport	12.02	P:GG	6,793	315.3
J. E. Lucas and Son	Mayport	18.95	R:GH	9,736	311.7
H. G. Mahle	Miola	10.18	R.GG	6,115	311.6
C. J. Swyers	New Bethlehem	12.27	GG	6,659	309.0
Parker View Farm	Parkers Landing	37.51	RG	6,848	307.2
Wm. & C. A. McCauley	New Bethlehem	29.96	RH	9,090	305.5
E. E. Carrier	Mayport	16.51	GG:Mixed	6,864	303.6
C. L. Minnich	New Bethlehem	8.23	R:GG	6,378	301.9

CLEARFIELD COUNTY—(Clearfield Association)

Loren C. Stephens, Tester, Agr. Ext. Association, Clearfield, Pa.

S. J. Zemka	Clearfield	14.58	P:GrJ	9,048	492.1
White Oaks Farm	Clearfield	21.49	RJ	8,710	481.8
Max Forcey	Woodland	28.46	R:GrJ	8,168	443.5
S. R. Thompson Estate	Philipsburg	18.69	R:GrH:R:GrJ	9,601	421.6
Morris W. Shimmel	West Decatur	19.70	Mixed	8,915	410.7
Wendell Turner	Philipsburg	24.72	R:GrH:GrJ	9,321	402.8
Belle Vue Farm	Bigler	24.39	R:GrJ	7,132	396.8
C. W. Peters	Woodland	19.42	R:GrJ	7,776	383.0
A. G. Haag	DuBois, R.D.	16.07	RG	7,580	378.8
J. H. Smith & Son	DuBois, R.D.	13.55	P:GrG	7,886	364.0
County Home	Clearfield	15.12	GrH	9,916	353.1
Don McKeehen	Kerrmoor, R.D.	12.08	GrG	6,833	347.9
J. H. Van Tassel	DuBois, R.D.	17.47	Mixed	7,336	328.7
E. P. Young	Westover	12.43	R:GrJ	5,867	328.4
Green Acres Dairy Farm	DuBois, R.D.	21.86	R:GrG:P:GrH	6,917	326.2
D. T. Mitchell, Jr.	Mahaffey, R.D.	18.32	P:GrJ	6,027	322.7
*Howard Hess	DuBois, R.D.	11.01	R:GrG	6,890	314.8

*Milked three times daily for 10 months.

CLINTON COUNTY—(Clinton Association)

Oren S. Bird, Tester, Catawissa, Pa.

T. P. Dunlap	Beech Creek	7.68	PG	6,915	354.1
John C. Boone	Loganton	7.50	P:GrG	7,642	337.0
*Adam Muthler	Salona	15.31	P:GrH	8,955	334.7
H. C. Hayes	Mackeyville	22.42	Mixed	8,372	332.2
Sherman Spotts	Beech Creek	21.51	PH	9,910	325.5
R. S. Schrack	Loganton	9.20	P:GrH	8,752	312.8
Elmer Embick	Loganton	11.11	P:GrH:GrG	7,570	304.8
C. T. Thompson	Salona	12.08	GrH	8,480	302.9

*Milked three times daily for 2 months.

COLUMBIA COUNTY—(Columbia-Luzerne Association)

Clarence C. Keller, Tester, Bloomsburg, Pa.

Name of Owner	Address	Av. No. Cows	Breed	Lbs. Milk	Lbs. Fat
Roland H. Seely	Nescopeck	13.83	RG	8,573	426.2
Col. Dorance Reynolds	Dallas	37.66	RG	8,550	424.2
*Clarence R. Hack	Berwick	48.27	R:GrG	8,187	409.2
Sterling Farms	Alderson	39.25	RG	7,332	378.7
**Luzerne Co. Inst. Dist.	Retreat	58.11	RH	11,448	375.5
Hillside Farms Inc.	Trucksville	53.63	RH:RJ	9,229	369.7
**Danville State Hospital	Danville	111.15	R:GrH	11,132	368.7
Berwick Creamery Farms	Berwick, R.D.	17.61	RH	10,765	365.1
C. J. Major	Dallas, R.D.	14.73	R:GrG:RH	9,678	364.4
J. A. & W. D. Fairchild	Berwick	45.89	RJ:RH	7,984	337.3
Clifford W. Space	Dallas	14.39	Mixed	8,475	318.9
William Naugle	Hunlock Creek	15.07	Mixed	8,115	304.4
Melvin L. Mosier	Dallas	16.90	RH:GrG	7,797	302.8
K. E. Dieffenbacher	Bloomsburg, R.D. 1	16.92	RG	7,156	302.5

*Part of Herd milked three times daily.
**Milked three times daily.

COLUMBIA COUNTY—(Columbia No. 2 Association)

Roy W. Crofut, Tester, Wheelerville, Pa.

*Alvin Sutliff	Benton	18.15	RG	10,816	552.6
Eli. McHenry	Benton	10.74	R:GrG	7,444	379.7
Harold H. Hayman	Stillwater	15.07	RG	7,975	374.0
Joseph Mendenhall	Benton	18.91	R:GrH	10,086	373.5
George D. Yost	Benton	11.45	R:GrG	7,662	363.0
H. B. Rote	Millville	12.71	RH:PJ	8,963	350.0
C. H. Henrie	Millville	12.39	R:GrG	7,268	345.5
M. D. Pennington	Benton	6.43	R:GrG	7,122	342.0
Robert E. Kline & Son	Benton	12.36	R:GrG	7,046	340.1
R. J. Breisch	Catawissa	30.25	RG	7,124	337.3
Thomas S. Gordner & Sons	Millville	17.21	R:GrG	7,127	336.4
J. B. Sutliff	Benton	14.59	RG	6,585	324.7
H. R. Andreas	Stillwater	13.11	RG	6,256	312.0
Donald H. Smith–Herd 2	Benton	31.42	GrG	5,855	261.2
Donald H. Smith–Herd 1	Benton	40.09	GrH:GrG	5,688	254.3

*Part of herd milked three times daily.

CRAWFORD COUNTY—(Centerville Association)

Clinton Van Cise, Tester, Centerville, Pa.

Ross Howard	Townville	10.41	P:GrJ	7,947	400.5
Earl Stewart	Centerville	14.73	R:GrH	9,453	367.8
Chas. Gillette	Townville	20.92	GrJ	7,280	355.3
Jas. Bradford	Centerville	10.36	RG	7,416	355.0
W. K. Langworthy	Centerville	14.62	R:GrH	9,492	340.6
Elmer Magee	Centerville	15.15	GrG:G	8,721	333.5
Homer Clark	Townville	12.13	GrG:H	8,256	329.9
J. K. Clark	Centerville	17.31	RH	10,073	327.3
Bert Cook	Spartansburg	18.77	GrH:Mixed	8,592	321.9
Robt. Walker	Centerville	11.11	R:GrH	9,391	318.6
Elwin Post	Centerville	12.52	R:GrH	8,922	312.9
E. L. Post & Son	Centerville	13.30	R:GrH:Mixed	7,581	302.7

CRAWFORD COUNTY—(Western Crawford Association)

Albert J. Crowl, Tester, Guys Mills, Pa.

Riverside Stock Farm	Camb. Springs	25.59	RJ	8,394	435.8
Mrs. E. E. Virtue	Meadville, Star Rt.	17.71	GrJ	7,365	401.6
*J. G. Sherred	Venango, R.D. 1	23.98	RH	12,108	387.6
Jos. Mandle	Conneaut Lake	10.09	R:GrG	7,934	385.8
**John Chisholm	Camb. Springs	10.68	RG	8,089	384.2
Jas. K. Bennett	Westford	7.64	R:GrG	7,756	377.6

Name of Owner	Address	Av. No. Cows	Breed	Lbs. Milk	Lbs. Fat
Floyd Gould	Conneaut Lake	11.40	R:GrJ	7,217	374.0
Clifford Hunter	Guys Mills	13.67	R:GrJ	7,470	373.7
J. S. Patton	Hartstown	27.93	R:PH	10,260	370.7
Carl Miller	Linesville	11.64	GrH:GrJ	9,097	363.4
D. F. Bird	Guys Mills	8.81	GrG:J	7,432	362.7
Chas. Lodge	Camb. Springs	8.51	Mixed	6,472	354.6
F. C. Mickle	Linesville, R.D. 2	14.50	Mixed	8,434	354.0
Burl Hayes	Edinboro	17.96	GrH:J	9,191	353.8
Port Eckles	Venango	11.09	R:PG	7,148	353.1
H. C. Drissel	Saegertown	22.69	RJ:R:GrH	6,888	350.0
Burton Shontz	Conneaut Lake	15.74	Mix.:R:GrG	7,220	343.8
H. W. Carrier	Atlantic	8.52	R:GrG	7,887	333.5
Dr. Geo. Buehler	Center Road	7.86	R:GrH	9,792	331.0
DeWitt Rust	Saegertown, R.D. 2	18.94	RH:J	8,630	329.5
C. C. Withrow	Meadville, R.D. 3	9.55	R:GrG:Mixed	7,344	328.5
R. T. Gaylord	Adamsville	10.43	RH	8,245	324.2
Paul McMichael	Conneaut Lake	19.93	R:PJ	6,371	316.2
Wm. P. West Est.	Conneautville	14.88	R:GrH	8,435	309.7
H. D. L. Van Bockern	Linesville	9.65	RH:GrJ	7,753	309.6
N. B. Partch	Linesville	9.38	R:GrH	8,036	303.8

*Milked three times daily.
**Milked three times daily for 10 months.

CRAWFORD COUNTY—(Crawford-Venango Association)

Harold S. Rankin, Tester, C/o County Agent's office, Meadville, Pa.

Harry I. Sharp	Diamond, Pa., R.D. 1	6.96	RJ	8,036	457.7
Wesley G. Reitze	Meadville, R.D. 5	16.34	RH	13,291	449.0
Harold L. Borland	Meadville, R.D. 5	6.89	R:GrJ	7,573	425.8
Merle Ongley	Centerville	14.63	R:GrH	11,769	412.0
Mrs. Nova Noel	Guys Mills	12.85	R:GrJ	7,966	404.6
F. W. Smith	Meadville, R.D. 7	6.78	RJ	6,758	392.1
L. L. Luce	Guys Mills	14.07	R:GrJ	7,419	380.3
A. R. Webster	Guys Mills	12.16	GrJ	7,367	373.2
Dr. C. F. Peairs	Suterville	26.56	R:GrG:Mixed	8,223	360.2
Harry Whitman	Diamond, R.D. 1	7.06	R:GrJ	6,670	346.9
Geo. Beckwith	Centerville	12.84	RH	10,591	337.2
G. S. Kindervater & Son	Guys Mills	11.92	GrG:Mixed	7,298	334.2
E. R. Irons & Son	Guys Mills, R.D. 4	18.58	GrJ:Mixed	7,172	333.8
Jas. Orr	Cambridge Springs	6.83	GrH	9,036	328.7
Harry Wentworth	Guys Mills	39.86	R:GrG	6,578	319.8
W. R. Olsen	Cochranton, R.D. 1	16.50	R:GrG	6,879	318.1
D. C. Pettigrew & Son	Guys Mills, R.D. 4	9.71	R:PJ	6,455	310.6
Arthur Handley & Son	Meadville, R.D. 8	19.85	R:GrG:GrH	7,081	301.3
Frank Strawbridge	Titusville, Star Rt.	19.47	GrG	6,276	301.2

CRAWFORD COUNTY—(Titusville Association)

George Simpson, Tester, 345 Mt. Vernon St., Titusville, Pa.

J. M. Kelly	Titusville	28.87	RG	9,947	519.9
W. H. Howard	Centerville, R.D. 5	10.28	R:PJ	7,441	400.0
Elbert Scouten & Son	Spartansburg, R.D. 1	20.46	R:GrH:GrJ	9,771	391.7
Harry Firth	Spartansburg, R.D. 2	16.38	R:GrH	10,483	384.2
Will Hasbrouck	Titusville, R.D. 2	34.72	RH	10,993	383.1
L. W. Beers	Grand Valley, R.D. 2	9.27	GrG:Mixed	8,157	377.6
Paul Kunz	Titusville, R.D.	10.36	R:GrG	7,928	363.2
E. W. Hummer & Son	Titusville, R.D. 2	31.97	R:GrH	6,922	362.9
H. C. Hummer	Titusville, R.D. 2	33.20	RrG	9,966	356.5
M. D. Ongley	Grand Valley, R.D. 2	17.12	GrG:Mixed	8,100	350.0
M. J. Kelly	Centerville	10.99	P:GrH	10,033	348.9
D. N. Burrows	Pleasantville	18.44	RH	9,684	342.4
Frank Firth, Jr.	Spartansburg, R.D. 1	11.56	R:GrH	9,568	337.6

Name of Owner	Address	Av. No. Cows	Breed	Lbs. Milk	Lbs. Fat
A. C. Watson	Titusville, R.D. 2	22.80	GrG:GJ	7,149	336.0
Geo. Hummer	Titusville, R.D. 2	19.85	R:PJ	5,855	326.7
Geo. Matteson	Centerville, R.D. 3	19.16	GrH:Mixed	9,006	308.8
Kerr Bros.	Centerville	10.06	R:PH	8,954	306.9
Clifford R. Young	Spartansburg	7.76	R:GrH:Mixed	7,741	302.4
Perl A. Gilborn	Centerville, R.D. 1	18.77	R:GrH	8,715	302.3

CUMBERLAND COUNTY—(Original Association)

Fred M. Naugle, Tester, 501 W. North St., Carlisle, Pa.

J. H. Lear	Carlisle, R.D. 5	22.23	RH	11,512	446.5
J. Walter Rupp	Mechanicsburg,R.D.4	25.69	R:GrH	12,789	435.6
C. G. Niesley	Mechanicsburg,R.D.1	19.23	RH	11,248	431.1
Clyde C. Neidigh	Newville, R. D. 3	9.70	RG	8,686	431.0
Methodist Home for Children	Mechanicsburg,R.D.3	24.67	R:GrH	12,404	427.1
Walter A. Eckert	Mechanicsburg,R.D.5	20.98	R:GrG	8,287	424.3
G. Weir Strock	Mechanicsburg,R.D.2	30.04	R:GrH	12,291	421.0
H. K. McCullough	Newville, R.D. 1	31.16	RG	8,506	418.7
*Mrs. E. S. Deubler	Camp Hill, R.D. 1	28.48	RA	9,931	406.5
A. G. Wingert	Mechanicsburg,R.D.2	9.85	RH	10,897	404.9
Jesse Kurtz	Carlisle, R. D. 4	12.06	RH	10,869	404.1
E. C. Ludt	Carlisle, R.D. 5	17.52	R:GrH:GrJ	10,590	402.9
Miss Anne McCormick	Harrisburg	5.73	RG	8,193	398.2
Clarence M. Cornman	Mechanicsburg,R.D.1	12.21	RH	10,978	397.0
Russell S. Eberly	Mechanicsburg,R.D.3	12.11	R:GrH	10,624	375.9
S. W. Zeigler	Mechanicsburg,R.D.2	18.67	R:GrH	10,704	375.5
Harry D. Kreitzer	Mechanicsburg,R.D.3	12.17	R:GrH	10,886	374.9
Ivo V. Otto	Carlisle, R.D. 6	46.81	RH	10,689	371.0
E. Nevin Weber	Mechanicsburg,R.D.2	23.89	RH	10,690	365.7
George Nauss, Jr.	Dillsburg, R.D. 2	11.95	RH	10,777	363.7
Mark R. Basehore	Mechanicsburg,R.D.4	13.12	R:GrH	10,133	363.5
Albert F. Kost	Carlisle, R.D. 1	20.98	RH	10,194	355.2
J. Norton Kruger	Carlisle, R.D. 2	52.94	RA:R:GrH: Mixed	8,438	346.4
Harry G. Banzhoff	Mechanicsburg,R.D.2	11.41	R:GrG	7,320	333.1
Wilbert A. Kreitzer	Mechanicsburg,R.D.4	14.13	RH	8,956	326.5
Abner E. Rider	Mechanicsburg,R.D.2	13.60	R:GrH	8,542	306.5

*Part of herd milked three times daily.

CUMBERLAND COUNTY—(Second Association)

J. Paul Shughart, Tester, Allen, Pa.

Mervin E. Shughart	Mechanicsburg,R.D.1	6.92	RH	12,885	469.0
Jesse N. Lehman	Carlisle, R.D. 2	7.01	R:GrH	11,079	413.3
Albert Adams	Carlisle, R.D. 5	36.27	R:GrH:GrG	10,484	409.8
Spencer G. Nauman	Bowmansdale	5.72	R:GrG	8,547	409.1
J. D. McCullogh	Newville, R.D. 1	8.80	RH	12,072	407.4
J. Paul Wrightstone	Camp Hill, R.D. 1	13.37	R:GrH	11,721	397.0
Charles C. Hoffer	Carlisle	23.41	R:GrH	10,373	381.8
Mervin C. Shughart	Mechanicsburg,R.D.1	11.15	R:GrH:GrG	10,806	381.3
Hugh L. McMeen	Carlisle, R.D. 6	22.94	R:GrH	10,578	378.8
Sylvan M. Wood	Carlisle, R.D. 1	14.44	R:GrH	10,231	377.1
Clarence R. Sunday	Carlisle, R.D. 1	15.67	R:PH	10,369	374.3
Paul E. Rebert	Mechanicsburg,R.D.1	12.93	R:GrH	10,878	372.5
Russell F. Bower	Shippensburg, R.D. 1	15.58	P:GrH:P:GrG	9,859	366.0
Harry P. Cornman	Mechanicsburg,R.D.1	23.37	R:GrH:GrG	9,694	365.9
John Stamey	Newville, R.D. 1	21.57	R:GrH:Mixed	9,572	359.1
Joseph A. Murphy	Carlisle, R.D. 5	13.95	RH	10,845	356.7
John S. Asper	Mechanicsburg,R.D.2	9.53	RH	10,573	347.0
Pau O. unday	Carlisle, R.D. 1	15.58	R:GrH	9,651	345.5
Donald F. VanScyoc	Shippensburg, R.D. 1	12.10	RG	7,373	339.6
Charles A. Raudabaugh	Carlisle, R.D. 1	16.57	RH	9,892	337.6

Name of Owner	Address	Av. No. Cows	Breed	Lbs. Milk	Lbs. Fat
Guy L. Loy	Newville, R.D. 2	25.31	RA:GrH	8,314	335.6
Paul C. Gibble	Mechanicsburg,R.D.1	20.25	R:GrH	10,246	331.6
S. Ellsworth Landis	Newville	14.08	GrG	6,446	327.5
John H. Clouse	Newville, R.D. 2	9.86	RH	8,989	321.4
E. Hays Shughart	Carlisle, R.D. 1	16.15	RH	9,563	318.0
John A. Smith & Sons	Dickinson	17.66	R:GrG	6,553	316.4
Merle D. Rolar	Newville, R.D. 2	8.89	RH	8,503	300.8

CUMBERLAND COUNTY—(Third Association)

Lester M. Shughart, Tester, Boiling Springs, Pa.

Roy D. Gottshall	Carlisle, R.D. 6	6.16	RH	12,600	462.0
*Benjamin F. Garman	Carlisle, R.D. 6	14.78	R:GrH	12,069	432.3
Roy A. Snyder	Mechanicsburg,R.D.2	15.24	RH	13,063	426.0
Philip A. Shields	Mechanicsburg,R.D.1	15.16	R:GrH	12,447	418.0
Harvey S. Mentzer	Mechanicsburg,R.D.2	15.20	R:GrH:Mixed	11,941	414.5
*J. J. Zeigler	Carlisle, R.D. 1	21.75	R:GrH	11,918	414.5
W. C. Neidig	Carlisle, R.D. 4	11.50	R:GrG	7,708	387.7
John C. Yorlets	Mechanicsburg,R.D.2	12.68	R:GrH	11,429	386.9
George E. Young	Carlisle, R.D. 2	13.81	GrH:GrG	9,414	383.4
Clyde P. Menges	Newville, R.D. 3	11.70	R:GrG	8,100	377.9
Ralph L. Martin	Carlisle, R.D. 4	11.70	RH	11,178	374.1
John I. Strong	Mechanicsburg,R.D.3	14.41	R:GrH:GrG	10,174	372.7
John K. Sheeley	Carlisle, R.D. 6	12.45	RH	10,560	371.9
Lester J. Albright	Carlisle, R.D. 1	14.22	R:GrA:Mixed	9,493	366.8
R. M. Goodhart	Mechanicsburg,R.D.1	13.85	GrG	7,188	360.0
*Wilbur A. Hoch	Carlisle, R.D. 4	10.70	RH	11,431	359.3
Reuben Clouse	Newville, R.D. 3	12.35	RH	10,192	357.1
C. Bryan Baker	Carlisle, R.D. 4	17.34	R:GrA	8,923	356.6
George I. Kell	Carlisle, R.D. 1	13.47	R:GrH	10,124	345.1
Spencer Farms	Newville, R.D. 1	11.20	R:GrJ	6,524	342.6
Abner H. Shughart	Carlisle, R.D. 1	12.83	RH	10,393	340.7
C. P. Means	Shippensburg, R.D. 1	16.34	R:GrG	6,902	331.3
James B. Brymesser	Carlisle, R.D. 6	12.02	R:GrH	9,711	330.2
John A. Chestnut	Newville, R.D. 3	10.77	R:GrH	9,509	329.4
Konhaus Farms	Mechanicsburg,R.D.1	44.33	R:GrG	6,531	325.7
Lehman J. Brandt	Carlisle, R.D. 1	10.70	R:GrH	9,581	323.5
Harper McCulloch	Newville, R.D. 2	12.80	R:GrG	6,610	313.1
Zel E. Myers	Newville, R.D. 3	17.51	RH:RA	8,805	303.5
M. E. Brandt	Mechanicsburg,R.D.2	17.48	RH	9,312	300.6

*Part of herd milked three times daily.

DAUPHIN COUNTY—(Dauphin Association)

Wayne Saufley, Tester, Hummelstown, R D. 1

*Ray S. Shoemaker	Harrisburg, Pa.	28.88	RG	9,226	459.9
A. H Erdman & Sons	Elizabethville, Pa.	19.04	R:PH	12,518	434.7
*Hbg. State Hospital	Harrisburg, Pa.	104.90	R:GrH	13,576	428.5
C. C. Chubb	Halifax	20.61	RA	10,482	403.4
E. E. Koppenhaver	Elizabethville	13.49	RG	7,520	400.1
Hershey Ind. School	Hershey	179.85	R:GrH:G	10,334	392.8
Alva Saufley	Hershey	16.09	R:GrJ	7,361	391.2
C. E. Cassel & Son	Hershey	36.46	RG	7,775	386.6
Dauphin Co. Home	Harrisburg	27.35	R:PH	11,738	384.4
Paul H. Grimm	Hershey	8.01	RG	7,818	381.4
H. M. Cater	Hummelstown	18.02	RH	11,035	367.6
C. K. Fertig	Dauphin	7.96	RH	11,043	365.7
Samuel B. Williams	Middletown	33.89	R:GrJ	7,072	364.2
G. C. Saufley	Hummelstown	19.07	RJ	6,289	354.7
R. L. Lee	Harrisburg	31.49	R:GrH:Mixed	9,219	341.7
P. H. Wightman	Dauphin	13.54	R:PA	7,811	333.5
A. C. Hauck	Harrisburg	20.27	R:GrH:Mixed	8,009	325.7
Annville Stone Co.	Lebanon	15.18	GG	7,115	302.9

*Milked three times daily.

ELK COUNTY—(Elk County Association)

Wayne Kelly, Tester, Ulysses, Pa.

Name of Owner	Address	Av. No. Cows	Breed	Lbs. Milk	Lbs. Fat
William J. Youngdahl	Brockport, Pa.	16.77	R:GrH	7,344	359.1
Gilbert Johnson	Ridgway, Star, Pa.	8.65	Mixed	7,749	339.9
H. J. Gregory	St. Marys, R.D., Pa.	33.88	RH	9,653	336.5
A. Larson & Son	Ridgway, R.D., Pa.	20.60	R:GrH:GrG	8,330	329.1
Elk County Home	St. Marys, R.D., Pa.	14.96	R:GrH	9,108	310.4
C. R. Rickard Dairy	Ridgway, R.D., Pa.	28.93	R:GrH:GrG	8,298	303.7
Andy Anderson & Son	Ridgway, R.D., Pa.	33.27	R:GrH:R:GrG	7,790	301.2

ERIE COUNTY—(Erie County Association)

Wendell Bauer, Tester, Court House, Erie, Pa.

Glenn Steves	Waterford, Pa.	10.77	RH	12,515	438.9
John Brooks	Erie Trust Bldg., Erie	20.73	RG	8,992	428.4
Bruce Batchelor	Edinboro, Pa.	12.08	RG	7,597	386.9
Otto Allen	Union City, R.D. 1	7.17	GrH:J	9,236	375.8
Henry C. Trask	Waterford, R.D. 5	19.37	R:GrG	7,134	352.0
Hazen Follett	Corry, R.D. 3	19.15	RH	10,077	348.4
N. J. Weldon	W. Springfield, Pa.	9.10	R:GrJ	6,405	346.7
Koelher Farm	Erie, R.D., 7	28.10	GrH:G	8,829	346.3
Harold Trask	McKean, R.D. 1	13.23	R:GrH	9,826	341.3
K. O. Shelhamer	Edinboro, Pa.	17.01	R:GrJ	6,615	340.3
Earl Rockwell	Union City, R.D. 5	19.22	RH	9,644	337.5
W. E. Baron	McKean, R.D. 1	14.41	R:GrH	10,121	336.2
Margaret O'Neill	Union City, R.D. 4	19.12	Mixed	9,352	335.7
Alfred Himrod	Waterford, R.D. 2	11.92	RA	8,033	334.2
Howard Hopson	Wattsburg, R.D. 3	15.16	R:GrH	9,398	328.4
Julius Pavkov	Edinboro, Pa.	18.18	R:GrG:H	8,016	323.5
County Home Farm	Girard, Pa.	34.77	GrH	9,785	322.7
Meadow Brook Farm	Union City, R.D. 1	66.72	GrG:Mixed	7,198	315.1
John Kuhns	Waterford, R.D. 2	19.88	GrG:Mixed	7,342	314.6
Kenneth Briggs	Edinboro, R.D. 6	17.01	R:GrJ	7,505	312.6
John Shover	McKean, R.D. 1	7.00	GrG	6,501	308.9
Glenn Hecker	Edinboro, Pa.	23.67	GrH:Mixed	8,158	306.4
Wm. D. Hopkins	West Springfield, Pa.	23.58	RG:RH	7,350	304.7
Seth Himrod	Waterford, Pa.	32.10	GrH:G	8,299	301.7

FAYETTE COUNTY—(Fayette Association)

Richard S. Hayden, Tester, Uniontown, Pa.

T. W. Gans & Son	Gans	19.80	R:GrG:R:GrH	10,182	436.8
J. Espey Lynn	Vanderbilt	17.61	R:GrG	8,871	386.2
Ralph J. Dils	Smithfield	15.83	R:GrG:GrH	7,884	364.2
H. S. Garner	Uniontown	30.76	R:GrG:R:GrH	8,340	357.8
Cook Brothers	Belle Vernon	18.09	RG	7,611	354.2
*Mountain View Dairy	Fairchance	23.20	Mixed	8,454	343.4
W. S. Hibbs	Uniontown, R.D. 3	22.60	R:GrG:GrH	7,774	339.3
Fayette County Home	Uniontown, R.D. 3	27.83	R:GrH	9,397	335.3
G. M. Griffin & Son	Smock	8.68	GrG	7,708	330.4
Grover Work	Mill Run	15.08	R:GrG	7,398	324.3
George G. Gault	Dawson	20.04	R:GrG	7,016	312.5
Frank P. Rush	Scottdale	15.84	R:GrG	7,263	305.8

*Milked three times daily for 4 months.

FOREST COUNTY—(Forest Association)

Casper Kohler, Tester, Clarion, Pa.

Howard Harp	Marienville, Pa.	8.13	P:GrG	7,316	332.1
Geo. L. King & Sons	West Hickory, Pa.	14.35	R:GrG	6,778	302.6

FRANKLIN COUNTY—(Southern Franklin Association)

R. G. Miller, Tester, Chambersburg, Pa.

Name of Owner	Address	Av. No. Cows	Breed	Lbs. Milk	Lbs. Fat
Penn Hall	Chambersburg	16.54	RH	11,937	438.2
C. Sharpe Karper	Shippensburg, R.D. 3	16.68	R:GrG	8,839	423.8
Dr. J. S. Stevenson	Waynesboro	75.87	R:GrH	11,216	389.5
Penna. Soldiers Orphan School	Scotland	21.11	R:GrH	10,855	385.9
Harry E. Brown & Sons	Fairfield	17.96	R:GrH	10,019	378.7
W. F. Barkdoll	Waynesboro	37.58	R:GrA:R:GrH	9,115	377.1
Ira Shank	Waynesboro, R.D. 1	18.33	GrH:GrG	8,555	373.7
Amos L. Brechbill	Chambersburg R.D. 6	14.39	R:GrH	10,376	372.3
Charles I. Small	Chambersburg R.D. 5	14.15	RH	10,912	371.9
Dr. J. E. Strickler	Chambersburg	24.30	R:GrH	9,935	370.4
D. W. Good	Quincy	22.80	RA	8,812	356.4
Charles F. Miller	Greencastle, R.D.	17.69	RH	10,375	339.3
Henry Thrush	Chambersburg R.D. 3	21.00	RH	9,038	325.9
James F. Dayhoff	Midvale	17.35	R:GrSH	8,122	324.1
J. M. Main & Sons	Shippensburg, R.D. 3	16.64	RJ	5,861	311.4

FRANKLIN COUNTY—(Western Franklin Association)

John F. Yocum, Tester, Alexandria, Pa.

D. G. Smith	Dry Run	13.76	R:GrJ:RH	8,823	409.9
Harry Hazlett	Dry Run	14.71	Mixed	7,996	384.5
H. S. Arthur	Ft. Loudon	28.80	RG	7,902	380.7
W. Paul Mummert	Chambersburg R.D. 2	14.45	R:GrG	8,485	380.0
David H. Eberly	Shippensburg, R.D. 3	7.93	RH	10,712	377.2
John S. Peckman	Chambersburg R.D. 4	17.14	RG	7,364	367.8
Wilson Sisters	Richmond Furnace	8.65	P:GrG	7,376	364.9
B. H. Welty	Waynesboro, R.D. 4	17.87	R:GrG	7,304	362.9
D. M. Hawbaker & Son	Mercersburg, R.D. 1	16.70	R:GrH	10,396	361.6
Lawrence Wagner	Shippensburg, R.D. 3	10.04	R:GrG	7,689	358.6
J. Harlan Frantz	Waynesboro, R.D. 4	18.72	RG	6,990	355.5
Arthur A. Brenize	Newburg, R.D 1	9.11	R:PH	9,291	351.5
John W. Aughinbaugh	Mercersburg, R.D. 2	18.08	R:GrG	7,126	349.1
J. W. Hoffeditz & Son	Mercersburg, R.D. 1	17.74	R:GrG	7,680	342.1
A. C. Wagner	Mowersville	6.20	R:GrG	7,811	341.1
James A. Heckman	Mercersburg, R.D. 2	7.86	R:GrG	7,559	339.0
E. C. Hoffeditz	Mercersburg, R.D. 1	21.58	R:GrG	7,096	334.9
M. H. Hawbaker & Son	Chambersburg R.D. 3	21.66	R:GrG	6,895	330.5
Herman P. Hege	Chambersburg R.D. 1	20.93	R:GrG:R:GrH	7,053	312.0
Ellsworth Thomas	St. Thomas	19.92	Mixed	6,997	306.7
J. Fred Davison	Chambersburg R.D. 5	18.19	RH	8,791	302.1

GREENE COUNTY—(Greene Association)

John D. Cooke, Tester, Rea, Pa., Washington County

*Ben W. Jacobs	Waynesburg, R.D. 6	6.71	Mixed	11,526	471.6
Keener Bros.	Carmichaels	12.10	R:GrG	9,038	424.2
Charles Adams	Waynesburg, R.D. 5	11.02	RJ	8,189	408.2
J. Ard Cowden	McDonald, R.D. 4	25.75	Mixed	10,274	406.2
Pastor Brothers	Rea, R.D. 1	13.61	R:GrH	10,879	347.9
Robert M. Morgan	Bridgeville, R.D. 1	10.15	RH	10,618	330.8
John G. Baily	Carmichaels	35.86	Mixed	8,289	318.3
Stewart A. Dague	Washington	5.66	Mixed	7,131	309.1
Greene Co. Children's Ho.	Waynesburg, R.D. 6	10.00	GrG	6,692	301.0
Harley Swart	Waynesburg	22.80	R:GrJ:GrH	6,575	300.0
Henry W. Fehl	Canonsburg	15.03	RH:R:GrG	9,187	300.0

*Milked three times daily for 7 months.

HUNTINGDON COUNTY—(Huntingdon Association)

Frank Hindman, Tester, General Delivery, Huntingdon, Pa.

Name of Owner	Address	Av. No. Cows	Breed	Lbs. Milk	Lbs. Fat
*Pa. Ind. School	Huntingdon, Pa.	38.34	R:GrH	13,536	479.3
Ray F. Brown	Mill Creek, Pa.	13.13	GrG	8,248	416.7
H. E. Grazier	Warriors Mark, Pa.	15.40	RSw	9,576	387.3
William I. Brown	Mill Creek, Pa.	9.24	R:GrH	10,248	375.7
W. H. Woolverton	Alexandria, Pa.	19.93	RG	7,338	359.1
James E. Hindman	Tyrone, Pa.	41.03	RG	7,144	356.9
E. G. LaPorte	Alexandria, Pa.	27.49	R:GrG	7,045	354.7
**Shirley Ayr Farms	Mt. Union, Pa.	77.34	RA	8,757	351.9
N. E. Black	Alexandria, Pa.	10.59	R:GrG	6,585	328.8
Porter Brown	Mill Creek, Pa.	9.38	GrH:Mixed	8,412	326.9
J. B. Campbell Est.	Tyrone, Pa.	25.41	R:GrA:Mixed	8,391	323.7
H. S. Hicks & Son	Tyrone, Pa.	20.19	R:GrSw:Mixed	7,312	323.3
R. L. Harpster	Warriors Mark, Pa.	29.22	R:GrG	6,944	322.8
C. R. Robb	R. 4, Huntingdon, Pa.	14.89	Mixed	7,017	304.9

*Milked three times daily.
**Part of herd milked three times daily.

INDIANA COUNTY—(Indiana No. 1 Association)

Carl Johnston, Tester, Room C., Court House, Indiana, Pa.

John Kanarr	Home, R.D. 1	5.00	Mixed	9,249	450.8
C. C. Pollock	Marion Center, Pa.	7.66	R:GJ	7,503	431.5
John S. Rankin	Indiana, Pa. R.D. 1	9.49	P:GJ	7,563	427.5
H. W. Mumau	Clymer, Pa., R.D. 1	5.50	RJ	7,743	418.7
Clyde Houck	Clymer, Pa., R.D. 1	9.22	RJ	8,116	407.3
H. M. Travis	Smicksburg, Pa.	15.35	RG	8,482	406.9
*State Hospital	Torrance, Pa.	86.69	RH	12,138	405.5
Walter C. Simpson	Marion Center, Pa.	13.45	R:GJ	7,553	400.0
H. H. Barnhart, Jr.	Livermore, Pa.	20.06	Mixed	9,334	386.6
Carl Walker	Marion Center, Pa.	17.10	P:GJ	7,110	379.1
I. E. Pound	Indiana, R.D. 6	13.09	R:GH:Mixed	9,390	375.4
Walter Ewing Est.	Saltsburg, Pa.	16.60	PG	7,905	367.9
E. G. Rice	Dixonville, Pa.	7.40	RJ	8,015	365.4
*County Home	Indiana, Pa.	25.48	RH	11,685	361.9
H. N. Hyskell	Smicksburg, Pa.	12.27	GG:Mixed	8,361	352.6
Wm. C. McMillen	Home, R.D. 1	15.52	R:GJ	6,647	350.0
G. C. Swan	Home, R.D. 1	15.36	R:GJ	6,481	350.0
I. M. Speedy	Livermore, Pa.	13.83	R:GG	7,546	349.0
M. A. Smieltzer	Nu-Mine, Pa.	27.00	R:GH:Mixed	10,137	348.4
W. F. Barkley	Livermore, Pa.	15.94	R:GG	6,930	348.2
C. S. Gerhard	Blairsville, Pa.	19.22	RH	10,485	344.8
H. B. Wetzel	Marion Center, Pa.	9.19	R:GJ	6,192	335.2
C. H. McCall	Indiana, R.D. 5	16.14	R:GH:GrJ	9,015	332.5
James S. Cornell	Blairsville, Pa.	19.88	R:GH	9,658	328.9
Paul W. Walker	Marion Center, Pa.	10.06	P:GJ	6,112	327.1
F. B. Lowry	Clymer, Pa., R.D. 1	7.99	R:GJ	6,046	325.4
Quay McMillen	Clymer, Pa., R.D. 1	10.80	G:RJ	5,823	323.2
M. W. Hyskell	Smicksburg, Pa.	11.80	R:GG:Mixed	7,373	319.5
H. H. Wetzel	Marion Center, Pa.	10.92	P:GJ	6,071	311.3
W. S. Wetzel	Marion Center, Pa.	7.27	R:GJ	5,727	304.2

*Milked three times daily.

INDIANA COUNTY—(Indiana No. 2 Association)

Frank Ginter, Wendell Wetzel, Testers, Room C., Court House, Indiana, Pa.

Clyde McConaughey	Smicksburg, Pa.	12.95	RJ	8,918	436.7
J. Mack Hood	New Florence, Pa.	14.31	RJ	8,433	433.8
John C. Mohney	Punxsutawney, #4	30.97	R:GJ	7,488	424.4
Harry Pounds	West Lebanon, Pa.	10.29	Mixed	8,630	421.5
Paul S. McFarland	Shelocta, Pa.	9.24	RG	7,409	383.5

Name of Owner	Address	Av. No. Cows	Breed	Lbs. Milk	Lbs. Fat
James A. Patterson	West Lebanon, Pa.	11.38	R:GG	7,251	378.6
Ira E. Gibson & Son	Blairsville, Pa.	7.92	GJ	7,404	361.0
W. H. Wood	Shelocta, Pa.	12.09	RH	10,554	360.0
Earl L. Glasser	Marion Center, Pa.	10.38	RJ	6,478	352.6
W. D. Mack	Armagh, Pa.	7.04	R:GJ	6,806	350.0
Henry Townsend	South Bend, Pa.	10.20	RG	6,993	343.9
C. F. Glasser	Marion Center, Pa.	11.82	R:GJ	6,518	340.8
W. G. Campbell	Armagh, Pa.	7.69	RJ	6,167	331.4
Mart. R. Rager	Blairsville, Pa.	17.34	Mixed	7,798	329.2
James Lynch	New Florence, Pa.	17.99	R:GG	6,460	318.1
Frank Paul	Cramer, Pa.	13.70	Mixed	6,140	314.8
Frank Winsheimer	Indiana, R.D. 5	19.50	RG:GJ	6,427	302.9

INDIANA COUNTY—(Indiana No. 3 Association)

Robert Lydick, Tester, Room C., Court House, Indiana, Pa.

Clifford H. Hughes	Indiana, R.D. 3	12.79	Mixed	8,199	435.7
Bessie K. Hamilton	Home, Pa., R.D. 1	10.46	R:GJ	8,664	432.0
Dale B. Crawford	North Point, Pa.	9.92	R:GG	8,212	402.9
Roland M. Smith	Marion Center, Pa.	14.45	R:GGM	8,941	396.5
H. M. & W. H. Barrett	Smicksburg, Pa.	15.92	R:GG	7,334	372.9
John G. Henderson & Son	Edri, Star R.	14.13	RG	8,070	367.6
J. Paul McGee	Marion Center, Pa.	10.38	Mixed	7,618	361.4
J. M. Steffy	Dayton, Pa.	13.92	R:GH:Mixed	9,450	357.8
W. C. Jamison	Home, Pa.	10.70	R:PH	9,794	352.4
Earl L. Marshall	Smicksburg, Pa.	9.04	RH	9,808	350.9
Ralph S. Nichol & Sons	Home, R.D. 1	9.93	GJ:RGH	7,937	344.2
H. A. Hoover	Smicksburg, Pa.	13.64	R:GH:Mixed	7,526	337.6
H. A. Lydick	Clymer, Pa.	8.37	R:GJ	6,372	330.0
Harry R. Couch	Shelocta, Pa.	11.81	R:PJ:Mixed	6,146	310.8
Wendell Thompson	Smicksburg, Pa.	9.79	R:GG:GJ	6,710	310.5

JEFFERSON COUNTY—(First Jefferson Association)

H. Forrest Haugh, Glenn Ford, Testers, Brookville, Pa.

A. J. Bullers & Son	Brookville 1	8.91	RG	8,575	475.3
N. M. Dinger	Oliveburg	12.03	R:GrH	11,949	452.1
G. O. Schuckers	Brookville 1	19.02	RH:RG	10,622	425.9
Jefferson County Home	Brookville	21.37	R:GrH	11,245	405.0
H. E. Cochran	Reynoldsville 3	10.42	R:GrJ:GrG	8,679	404.5
E. E. Swineford	Reynoldsville 1	21.73	RJ	7,756	397.8
N. W. Shrock	Punxsutawney 4	8.45	R:FrH:Mixed	9,024	380.2
Ralph Allshouse	Brookville 6	11.07	RG	7,761	388.5
H. F. Uplinger	Reynoldsville 4	10.50	R:GrJ	6,931	386.1
Arthur W. Smith	Reynoldsville 2	13.99	R:GrH:Mixed	9,374	379.0
G. Howard Smith	Reynoldsville 2	14.69	R:GrA:Mixed	8,531	373.9
Harry Lindy	Reynoldsville 3	10.26	GrG	6,782	373.7
Arthur Bullers	Brookville 1	9.90	RG	6,628	370.1
Dick Shields & Son	Summerville 1	11.61	RJ	7,223	367.1
Byron Anthony	Punxsutawney 4	18.02	R:GrJ	6,431	354.9
Angus Wilson	Punxsutawney 4	18.78	RJ	6,212	354.1
Meade A. Buhite	Reynoldsville 4	10.01	R:GrG	7,167	350.0
J. E. Yeaney Estate	Mayport 3	17.00	R:GrG	7,098	349.0
G. A. Mengle	Brockway 1	18.28	R:GrG	6,998	343.1
Hall's Dairy	Baxter 1	35.24	P:GrJ	6,657	333.1
Paul Greenwalt	Brookville 1	13.29	R:GrG	6,718	329.4
Irvin Dairy Farm	Big Run	42.99	RG	6,194	309.4
J. W. Syphrit	Reynoldsville 3	8.59	RG	5,615	302.6

JUNIATA COUNTY—(Juniata Association)

Delmar L. Brofee, Tester, Mifflintown, Pa.

Name of Owner	Address	Av. No. Cows	Breed	Lbs. Milk	Lbs. Fat
*Boyd E. Shirk	Mifflintown	9.85	RH	14,609	500.6
Dale H. Henry	Mifflintown	11.96	R:GH	13,356	473.5
**Theorous Kauffman	Mifflintown	14.45	RH	11,964	436.2
J. W. Sieber	McAlisterville	11.87	RH	12,222	426.0
T. Furman McClure	Port Royal	11.89	RH	12,548	413.7
D. Q. Adams	Mifflintown	12.45	RH	10,964	408.5
Carl L. Smith	McAlisterville	21.99	RH	11,351	390.6
M. L. Stitt	Port Royal	14.75	GH	12,266	389.7
C. A. Musser & Stuck	Oakland Mills	11.32	RH	11,446	385.8
Lyman Zimmerman	Mifflintown	15.32	RH	10,863	377.0
T. K. Henderson	Mifflintown	8.27	Mixed	9,377	369.6
Holmes E. Groninger	Port Royal	16.09	RH	10,284	365.0
H. I. Gray & Son	Honey Grove	14.39	RH	10,833	364.6
T. R. Auker	Mifflintown	15.90	RH	10,062	356.4
Blair R. Gray	McCoysville	13.37	R:GG	7,302	356.4
Karl A. Fettig	Port Royal	10.01	RH	9,917	343.7
H. F. Sarver & Sons	Port Royal	23.90	R:GH	9,574	338.3
Herbert M. Shearer	Perulack	6.57	RA	8,395	327.5

*Part of herd milked three times daily for 3 months.
**Part of herd milked three times daily for 4 months.

LACKAWANNA COUNTY—(Lackaeanna Association)

Donald Hindman, Tester, Waverly, Pa.

Glenn Spencer	Pittston, Pa., R.D.	12.15	R:GrG	8,654	454.6
Crawford Sachse	Moscow, Pa., R.D.	15.72	R:GrJ	8,756	433.5
M. E. Northup	Dalton, R.D. 2	20.11	R:GrH:Mixed	10,094	401.6
C. J. Spencer	Dalton, R.D. 1	16.24	R:GrH	11,104	393.3
T. M. Kresge	Falls, Pa.	21.10	R:GrH	11,375	391.6
Joseph A. Miller	Clarks Summit, Pa.	10.92	R:GrH	10,176	373.4
Linair Dairy & Poultry Farm	Waverly, Pa.	17.81	R:GrH:Mixed	9,184	370.5
M. H. Thompson	Clarks Summit, Pa.	16.53	RH	10,656	368.3
Floyd Rosiak	Nicholson, R.D. 1	26.46	RA:GrH	8,956	356.1
Kenneth Manning	Dalton, R.D. 1	20.05	GrG	7,194	336.7
Leonard Hertneck	Moscow, Pa.	22.52	R:GrH	9,235	335.6
E. B. Decker	Dalton, R.D. 1	17.31	R:GrH:GrG	8,962	334.8
T. W. McLain & Son	Moscow, Pa.	42.64	GrH:GrG	8,946	334.0
*Carrol Decker	Dalton, R.D.	14.70	RA	8,278	332.8
Vernon Colvin	Dalton, R.D.	14.56	R:GrH	9,056	328.7
Gowe Bros.	Fleetville, Pa.	16.87	GrH:GrG	8,498	326.7
W. L. Smith	Factoryville	7.70	GrH:GrJ	8,048	309.3
R. O. Lewis	Dalton, Pa., R.D. 1	13.51	P:GrH:Mixed	8,772	307.5

*Milked 3 times daily for 6 months.

LANCASTER COUNTY—(Garden Spot Association)

Luke W. Martin, Tester, Goodville, Pa.

Ira M. Eby	Gordonville #1	20.88	RH	13,609	465.0
Naaman Stoltzfus	Morgantown	18.46	RH	12,364	428.5
John C. Metzler	Christiana #1	19.87	R:GrH	12,713	414.4
John W. Eby	Gordonville #1	14.58	R:GrH	12,060	390.4
Warren L. Eby	Gordonville	15.84	RH	11,276	384.2
John B. Ranck	New Holland #2	27.43	RA	9,862	339.9
Geo. G. Sauder	East Earl #1	15.61	RH	9,555	323.4
John A. Styer	East Earl #1	26.18	RH	9,864	320.7
I. W. Brendle	East Earl #1	6.40	RH	9,515	318.9
J. Earl Ranck	Gordonville #1	23.04	RA	8,307	311.8
Jacob S. Horst	Lititz #3	19.28	RA	8,318	304.2

LANCASTER COUNTY—(Red Rose Association)

Clarence Lyons, Tester, Strasburg, Pa.

Name of Owner	Address	Av. No. Cows	Breed	Lbs. Milk	Lbs. Fat
Harry R. Metzler	Paradise	12.43	RH	13,851	495.0
*Harold Book	Ronks	21.53	R:GrH:GrG	12,610	468.9
*Harry Griffith	Quarryville	9.48	RH	13,206	455.8
*Isaac Hershey, Jr.	Paradise	19.02	R:GrH	13,067	448.3
Lantoga Farms	Lititz	16.58	RH	12,355	447.3
H. H. Snavely	Willow Street	18.08	RG	8,586	446.1
Ira Hartz	Elverson	26.69	RH	13,011	445.4
Elvin Hess	Strasburg	19.45	RH	12,754	442.4
Harry Noll	Lancaster	19.23	R:GrH:GrG	12,183	440.5
*Earl Groff	Strasburg	17.45	RH	12,338	437.0
*Harry Welk	Strasburg	11.96	RH	11,299	428.5
Ezra Martin	Ephrata #1	9.11	RH	12,070	427.3
H. E. Roper	Kirkwood	17.29	RG	8,789	418.4
Harry H. Ranck	Ronks #2	15.94	RH	12,134	414.6
Jacob Houser	Lampeter	10.14	RH	11,573	413.4
Aaron Reihl	Lancaster #4	15.10	R:GrG:R:GrH	8,590	412.1
Clair H. Witmer	Willow Street	43.07	R:GrG	8,220	410.4
Henry Hess	Mount Joy	17.03	RH	11,005	408.3
Jacob Breneman	Willow Street	41.85	R:GrG	7,990	406.3
*Aaron Glick	Lancaster	19.31	RH	11,834	400.0
Harry Moore	Ronks	12.70	RH	11,282	394.5
*Red Rose Farms	Lancaster	27.67	RH	10,604	388.2
Amos Mellinger	Strasburg	9.33	RH	11,000	387.1
David Brackbill	Willow Street	11.46	R:GrG	8,314	386.9
Lester Henry	Lancaster #4	13.90	R:GrG:Mixed	8,804	376.5
Earl H. Noll	Lancaster	19.93	R:GrH:GrG	9,445	374.3
Donald E. Weicksel	Christiana	11.47	R:GrG:	7,345	365.1
J. Mowrey Frey	Lancaster #4	28.36	R:GrG:GrG	10,406	363.5
E. E. Brubaker	Bird-in-Hand	30.62	R:GrH	9,787	359.1
Harry Zook	Lancaster	19.26	RH	10,705	357.2
Elmer Smoker	Goodville	20.90	R:GrH	10,068	356.5
Paul Longenecker	Strasburg	10.29	RH	10,214	351.3
Harry Brubaker	Lancaster #4	20.88	RH	10,652	350.1
**Martin L. Hauck	Gordonville #2	11.57	R:GrH:Mixed	9,071	350.0
J. Howard Brinton	Gap	22.36	RG	6,824	348.1
Harry L. Mumma	Landisville	18.06	RG	7,034	347.8
Elias Musser	Mount Joy	17.07	RH	10,347	347.5
Irvin Musser	Mount Joy	14.84	RH	10,326	346.8
Lloyd Lefever	Conestoga	5.78	RH	9,392	324.0
***Sylvanus Stoltzfus	Elverson	21.14	RH	9,242	323.8
E. K. Burkholder	Willow Street	20.87	R:GrH:Mixed	8,397	320.2
Amos Shelly	Manheim	17.32	RH	8,843	318.0
John S. Shenk	Lancaster #6	38.42	R:GrG	6,431	307.9

*Part of herd milked three times daily for 4 months.
**Milked three times daily for 10 months.
***Milked three times daily for 8 months.

LAWRENCE & BEAVER COUNTIES—(Lawrence Association)

Wayne Walker, Frank Wright, Testers, P. O. Box 119, New Castle, Pa.

Lauren Thompson	New Wilmington, Pa.	17.18	RJ	9,156	484.5
N. E. Sampson	R.D. #3 Volant, Pa.	13.98	RJ	7,445	412.6
F. W. Byers	R. D. Petersburg, O.	27.10	R:GrJ	7,883	405.8
R. N. Moose	R.D. #3 Volant, Pa.	14.39	RJ	7,727	400.3
J. C. Shoemaker	R.D. Enon Valley, Pa.	17.38	P:GrJ	6,931	381.1
J. W. Bronson	R.D. #1 New Galilee,	10.36	RJ	6,738	380.4
J. W. Martin	Bessemer, Pa., Box 204	12.15	RJ	6,945	378.0
D. L. Kennedy	R. #1 New Wilmington,	8.45	RH:GrH:G	10,315	373.0
G. L. Lockhart & Son	R. #5 New Castle, Pa.	12.52	RG:GrH	8,932	369.4

Name of Owner	Address	Av. No. Cows	Breed	Lbs. Milk	Lbs. Fat
Arnold Bros.	R. #1 Beaver Falls,	11.99	RG	7,369	350.9
Kenneth Brenner	R. #1 Rochester, Pa.	17.60	Mixed	9,378	345.8
W. R. Fox	R. #2 Enon Valley,	21.72	RG	6,873	331.2
Wm. W. McCombs	R.7 Mahoningtown,	13.79	RJ	6,182	329.8
J. A. Boak & Sons	R. #4 New Castle,Pa.	24.99	R:PJ	6,288	325.4
W. N. Walker	R. #1 New Galilee,	15.00	RJ	5,762	320.2
Harold B. Hoye	R. #2 New Castle,	14.46	R:GrH	9,199	302.2
Harold Green	R. #3 New Castle,	26.46	R:GrH:Mixed	7,550	302.1
Dan Brenner	Rochester, Pa.	13.92	Mixed	7,904	300.0

LEBANON COUNTY—(Lebanon Association)

Monroe H. Mock, Tester, R-2, Myerstown, Pa.

*Ammon Brubaker	R. 2, Myerstown	7.04	RH	12,853	466.8
Ivan Martin	R. 1, Ephrata	7.74	R:GrH	12,236	443.5
David S. Bennetch	R. 1, Sheridan	15.02	RH	11,501	413.4
Hubert Miller	R. 2, Myerstown	18.80	RH	12,056	407.0
**Harry Forney	R. 1, Palmyra	28.11	P:GrG:GrH	8,361	405.6
Fairview Farm	Cornwall	79.26	RG	7,952	400.0
LeRoy Hostetter	R. 2, Annville	24.81	RA	9,352	367.7
Jacob N. Smith	R. 1, Annville	30.72	RG	7,334	367.0
Howard Bomberger	R. 5, Lebanon	33.70	RG	6,920	347.2
Charles Hackman	R. 1, Ephrata	8.34	RA	8,279	344.0
Raymond Gibble	R. 2, Myerstown	20.31	R:GrA	8,043	324.8
John Gibble	R. 2, Myerstown	25.31	R:GrH:Mixed	8,037	312.9
Elmer A. Gibble	R. 2, Lebanon	24.00	Mixed	8,314	306.5

*Part of herd milked three times daily.
**Part of herd milked three times daily for 9 months.

LEHIGH COUNTY—(Lehigh-Northampton Association)

Victor Plastow, Tester, 445 Hamilton, St., Allentown, Pa.

*L. A. Zimmerman	R. 1, Lehighton	26.63	RH	18,283	657.1
*Gehman Dairy Farms Inc	Macungie	43.47	R:GrH	12,416	442.3
Willow Brook Farm	Catasauqua	39.49	RG	8,648	432.4
Wm. Steigerwalt	R. 1, Lehighton	16.59	RH	11,314	423.2
Victor R. Handwerk	R., Walnutport	9.09	R:GrH	12,103	414.6
*Allentown State Hosp.	Allentown	63.85	R:GrH	12,540	400.6
Harold Ziegler	R. 1, Breinigsville	16.71	RH	11,284	395.3
Lehigh Co. Home Farm	Allentown	21.77	R:GrH	11,247	394.3
Chas. A. Lichtenwalner	Macungie	8.60	R:GrH	10,585	388.9
F. C. Behrens & Sons	Mauch Chunk	33.90	R:GrH:GrG	9,172	350.7
Home Farms	Center Valley	46.05	RH	10,492	350.1
W. W. Shoemaker	Walnutport	12.45	R:GrH:Mixed	8,278	315.7
Edwin Trexler, Est.	R. 1, Emaus	25.14	R:GrH:GrG	8,309	304.3
Geza Szilagyi	R. 3, Bath	44.38	R:ShH:GrJ	7,669	303.2

*Milked three times daily.

LYCOMING COUNTY—(Lycoming Association)

Alva R. Love, Tester, 131 Oliver St., Jersey Shore, Pa.

H. A. Snyder	Montoursville, R. 1	16.98	RH	13,261	463.1
*State Ind. Home	Muncy	21.76	R:GrH	13,271	460.7
W. D. Snyder	Cogan Station	12.81	RH	11,086	365.6
C. H. Mantle	Nisbet, R. 1	10.67	R:GrH	11,283	360.1
Mrs. Alice Tule	Muncy	22.59	R:GrH	10,885	350.0
Raymond E. Kable	Jersey Shore	15.30	R:GrH	10,031	350.4
H. R. Paulhamus	Cogan Station	15.06	RH	10,260	338.9
G. Fred Hampe	Nisbet, R. 1	11.06	GrH	9,142	335.7
H. J. Shaffer	Jersey Shore	10.75	R:GrH	9,955	332.4
O. A. Shirey	Linden	24.96	RH	9,510	330.2
H. F. McCracken	Jersey Shore	22.66	R:GrH	9,647	328.4

Name of Owner	Address	Av. No. Cows	Breed	Lbs. Milk	Lbs. Fat
Harry Fenstermaker	Williamsport, R. 3	13.72	Mixed	7,649	325.8
W. R. Downs	Jersey Shore	16.37	R:GrH	9,852	318.0
S. L. Nicholson & Son	Muncy	13.57	RH	10,048	316.6
Fred M. Snyder	Cogan Station	26.01	R:GrH	9,333	308.4
J. D. Lunger	Lairdsville	11.33	R:GrG	6,116	306.6
Guy E. Crist	Jersey Shore	12.85	GrH	8,598	302.2
C. L. Buss	Montgomery	11.85	RH	9,007	300.8
W. L. Dunlap	Jersey Shore	9.95	R:GrH	8.153	300.0

*Milked three times daily.

McKEAN COUNTY—(McKean County No. 1 Association)

L. A. Buchanan, Tester, Smethport, Pa.

Kirkman Farms	Turtle Point	19.19	R:GrH	13,155	443.6
A. T. Larson	Kane	12.00	P:GrH	10,828	443.1
*Ideal Farms	Kane	53.41	RG	8,648	416.2
G. E. Olson	Smethport	18.63	R:GrJ	8,537	396.4
The King's Farm	Ludlow	16.27	RG	7,797	388.4
McKean County Home	Smethport	17.18	RA	9,572	381.5
George E. Dickson	Kane	11.53	R:GrH	9,361	380.8
John W. Carlson	Port Allegany	13.85	R:GrJ	7,576	374.9
Cawley Brothers	Turtle Point	23.25	R:GrH	10,420	369.0
Wahlberg Brothers	Kane	22.92	R:GrG	8,117	360.2
Carlson & Ball	Turtle Point	38.45	R:GrH	10,521	355.4
H. A. Thoren	Port Allegany	24.34	R:GrH	10,068	354.2
A. E. Swanson	Kane	15.70	R:GrH	9,718	346.4
Bonny Brook Farm	Bradford	22.84	GrG	7,352	341.7
Glenn Dillenbeck	Turtle Point	14.21	R:GrH:A	8,247	341.1
*J. H. Clemens	Smethport	12.79	R:GrH:PG	9,218	332.3
Emil Lundgren	Port Allegany	13.60	Mixed	7,700	319.7
E. H. Sage	Red Rock	24.52	RA	7,527	312.0
Clare Burr	Port Allegany	14.72	GrG:J	6,780	306.0
E. S. O'Mara	Bradford	50.40	R:GG:P:G	8,239	305.9
Gustafson Bros.	Kane	19.34	R:GrG	7,018	303.5
Floyd E. Payne	Eldred	9.63	R:GrH	6,732	299.3
W. B. Robson	Eldred	17.73	R:GrH	7,141	295.3
J. H. Wiese	Ceres, N. Y.	14.79	GrH	8,258	293.0
Howard Curtis	Ceres, N. Y.	9.66	GrJ	5,655	293.0
Levine Nelson	Port Allegany	16.07	R:GrH	7,389	280.3
Edward White	Ceres, N. Y.	14.52	R:GrJ	5,840	275.3
Richard Carlson	Port Allegany	12.60	GrJ	5,344	264.9
Joe Ball	Bradford	20.25	Mixed	6,107	252.0

*Part of herd milked three times daily.
**Milked three times daily for 3 months.

MERCER COUNTY—(Grove City Association)

Paul R. McCauslin, Tester, c/o C. H. Waha, Mercer, Pa.

A. D. Ramsey	Volant	14.29	R:GrJ	8,964	474.5
M. M. King	Mercer	10.56	RH	13,745	471.6
Mercer Sanitarium	Mercer	12.48	RJ	8,369	455.2
W. D. White	Grove City	11.31	RH	11,954	452.9
T. P. Campbell	Grove City	10.81	R:GrG:Mixed	9,370	434.0
W. I. Blake	Mercer	18.73	R:PJ	8,264	433.5
R. McClelland	Jackson Center	6.51	GrG:GrJ	9,006	430.4
L. M. Cummings	Mercer	12.51	R:GrJ	8,372	428.5
D. E. Vogan	Mercer	11.68	R:GrJ:GrG	8,861	427.6
J. H. Buckley	Stoneboro	13.01	RP:GrJ	7,208	425.7
K. G. Bowmer	Stoneboro	11.17	GrJ:GrG	8,766	423.3
H. J. Buckley	Stoneboro	11.29	P:GrJ	8,113	418.5
A. L. Campbell & Son	Grove City	17.82	R:GrJ	8,120	405.6
R. C. Henderson	Stoneboro	9.18	R:GrJ	7,481	405.0

Name of Owner	Address	Av. No. Cows	Breed	Lbs. Milk	Lbs. Fat
D. G. Grace	Grove City	15.84	R:GrJ	7,487	398.9
A. J. Nutt & Son	Grove City	15.66	RJ:GrJ:GrG	7,042	382.9
C. R. Little	Jackson Center	16.23	GrJ	7,245	382.0
Paul C. Clark	Mercer	14.95	R:PJ	7,428	380.9
C. F. Zittle	Jackson Center	9.46	GrH	10,958	379.2
T. A. Jamison & Son	Grove City	16.52	R:GrG	7,306	364.8
A. M. King	Mercer	17.49	R:GrJ	6,986	364.5
G. G. McDowell	Grove City	18.09	RJ	7,136	362.1
S. S. Babcock	Mercer, 3	12.39	R:PJ	6,929	358.4
M. H. McCoy	Mercer	18.96	R:GrG	7,225	344.5
Q. C. Smith	Carlton	8.50	GrH	9,261	335.5
J. L. Rogers	Jackson Center	6.75	GrJ	6,434	332.3
W. E. Jacobs	Carlton	11.29	GrG	7,141	332.2
W. S. Drake & Son	Volant	11.61	Mixed	7,915	326.5
W. G. Brautigam	Mercer, 4	6.61	P:GrJ:Mixed	7,538	321.9
H. L. Sankey	Volant	22.11	R:GrH:Mixed	8,378	312.4
W. K. Struthers	Mercer	11.06	GrG:Mixed	6,508	312.0
Russel McFarland	Grove City	15.39	GrG:GrJ	6,310	312.0

MERCER COUNTY—(Mercer No. 3 Association)

Albert Wolfgang, Tester, c/o C. H. Waha, County Agent, Mercer, Pa.

W. H. Crawford	Mercer	29.68	Mixed	10,538	430.1
A. D. Willaman	Transfer	12.44	R:GrJ	7,458	423.2
*Mercer County Home	Mercer	37.34	R:GrH	12,391	421.2
P. W. Alexander	Mercer, R.D. 3	14.37	P:GrJ	7,509	392.7
Hugh Gilkey	West Middlesex	11.63	P:GrG	7,980	389.7
D. J. Willaman	Transfer	18.27	P:GrJ	7,304	385.8
Wilbert Reno	Sharpsville	17.49	R:GrG	8,125	380.1
F. L. Minner	Pulaski	16.45	R:GrJ	7,184	379.8
L. E. Stewart	Mercer	10.15	Mixed	7,855	377.4
Wilhelm Bros.	Sharon	26.49	R:GrG:Mixed	8,319	375.6
W. S. McConnell Est.	Sharpsville	23.95	GrJ:GrG	8,381	365.6
H. E. Woods	Transfer	25.41	R:GrH:R:GrG	7,774	350.3
L. R. Cox	Pulaski	23.18	R:GrG	6,941	328.7
B. F. Cannon	West Middlesex	31.13	Mixed	8,070	325.8
F. H. Wheeler	Hubbard, Ohio	11.60	RH	9,778	321.1
H. L. Bollenbacher	Greenville	6.87	Mixed	7,713	320.3
R. E. Bollenbacher	Greenville	17.75	GrG:GrH	7,391	319.9
Shine Bros.	Jamestown	23.20	RH	9,082	316.4
R. W. Dick	Pulaski	22.07	R:GrJ	6,243	309.1

*Milked three times daily.

MIFFLIN COUNTY—(Mifflin No. 1 Association)

Kenneth Wright, Tester, Burnham, Pa.

Paul E. Yoder	Mattawana	12.83	R:GrJ	9,066	474.8
*Malta Home Farms	Granville	31.36	R:PH:GrG	12,579	472.4
Charles J. Metz	Belleville	7.09	R:GrH	12,234	427.0
Rudy J. Yoder	Belleville	32.60	R:GrH	11,149	414.3
Samuel C. Mitchell	Lewistown, R.D. 3	16.64	R:GrH	10,652	411.8
W. L. Bradford & Sons	Lewistown, R.D. 1	12.88	R:GrH	10,929	405.0
John C. Fleming	Belleville	14.51	P:GrH:GrJ	10,355	403.7
David E. Peachey, Jr.	Belleville	10.85	R:GrH:GrG	10,548	391.2
H. H. Bradford	Lewistown, R.D. 1	9.80	RH	10,475	384.9
Jacob I. Yoder	Belleville, R.D.	13.00	GrH:GrG	10,238	380.9
Edwin S. Hooker	Belleville, R.D. 1	21.67	RG	7,787	377.3
D. Howard Houser	Reedsville	17.46	P:GrH:GrG	10,006	369.3
W. L. Wray	Reedsville	13.58	GrH	9,983	367.9
L. J. Dunmire	McVeytown	9.00	R:GrH	9,461	353.1
H. A. & E. E. Price	Lewistown	13.43	P:GrH	9,878	352.4
Samuel F. Kauffman	Reedsville, R.D.	11.76	Mixed	9,113	347.1

Name of Owner	Address	Av. No. Cows	Breed	Lbs. Milk	Lbs. Fat
M. C. Leonard	Lewistown, R.D. 1	9.45	R:GrH	10,544	347.0
J. Martin Spigelmyer	McClure, R.D. 1	10.14	RH	9,498	331.1
S. W. Zook	Mattawana	8.91	Mixed	7,323	324.6
Lester J. Aurand	Lewistown	12.43	R:GrH	9,022	323.1

*Milked three times daily.

MIFFLIN COUNTY—(Mifflin No. 2 Association)

John A. Nale, Tester, Milroy, Pa.

Earl A. Brubaker	Milroy	11.36	R:GrH	9,909	352.8
Fred L. Baker	Milroy	14.33	Mixed	7,963	351.6
W. B. Nale	Milroy	13.84	P:GrH	9,661	346.3
Reed McNitt	Milroy	20.94	R:GrH:Mixed	9,459	340.1
Hayes & Hassinger	Belleville	13.28	R:GrA:GrSh	8,274	332.2
Guy Armstrong	Milroy	7.25	GrH:GrSh	8,636	329.2
C. W. Bronson	Reedsville	6.37	RH	9,475	328.4
Dr. W. A. Alexander	Lewistown	8.20	R:GrH:GrG	8,168	311.4
J. B. Glick	Reedsville	14.55	R:GrH	8,386	307.1
J. Clinton Bonson	Milroy	10.21	RH:G	8,403	302.5
John H. Goss	Milroy	9.67	R:GrH	8,741	300.1

MONROE COUNTY—(Monroe Association)

Edward Doney, Tester, Kunkletown, Pa.

Gould Bros.	Effort, Pa.	47.57	R:GrH:Mixed	8,309	332.0
George Snyder	Stroudsburg, Pa. R.D. #1	29.06	Mixed	8,281	318.0
Monroe Co. Farm	Stroudsburg, Pa. R.D. #2	6.84	GrH	8,210	307.8

MONTGOMERY COUNTY—(Montgomery No. 1 Association)

Delbert E. Keir, Collegeville, Harry M. Reynolds, Norristown, Testers

Shipley School Farm	Gladwyn	14.91	R:GG	8,720	428.6
Harvey Murphy	Norristown, R.D.	18.93	R:GH	11,061	407.0
Alvin L. Funk	Collegeville, R. 1	16.25	RG	7,896	402.1
Silver Lake Farm	Norristown, R. 3	28.88	R:GG	8,117	395.8
H. D. Allebach	Collegeville	19.32	RH	11,470	390.6
Wayne Schultz	East Greenville	15.74	RH	12,162	390.4
Harald H. Gade	Norristown	14.60	R:GG	8,135	385.2
L. Lindquist & Son	Willow Grove	81.91	Mixed	9,619	378.9
Wm. L. Stephens	Collegeville	16.42	RH	9,393	365.9
Chas. E. Fetterman	Barto, R. 2	24.10	Mixed	9,789	364.2
J. L. Wood & Sons	Pennsburg	28.15	RH	9,933	351.5
Silver Spring Farm	Norristown, R.D.	17.25	GG	7,178	334.9
Homer Schultz	Hereford	18.72	RH	9,273	331.5
Mrs. Howard Bieler	East Greenville	19.10	R:GH	9,216	331.4
S. C. Burton	Maple Glen	36.29	RG	6,518	324.7
Howard L. Baker	Center Square	24.75	Mixed	8,104	316.1
Lockerbie Farm	North Wales, R.D.	23.69	Mixed	7,539	315.9
Oscar Rothenberger	Lansdale, R. 1	24.02	R:GH	9,170	315.0
S. W. Stearly	Collegeville	18.82	Mixed	7,250	302.5

MONTGOMERY COUNTY—(Montgomery No. 2 Association)

David Magill, Tester, West Point, Pa.

*Erdenheim Farm	Norristown, R.D. 4	13.22	RJ	9,244	491.1
*Ray L. Williams	Narberth	21.02	RA	11,374	456.4
Carson College	Flourtown	10.83	GH:G	9,367	430.1
Whitpain Farm	Ambler	14.86	RJ	8,077	400.0
Maywin Farm	Arcola	23.48	RG	7,819	395.9
**State Hospital	Norristown	138.20	R:GH	11,565	390.2

Name of Owner	Address	Av. No. Cows	Breed	Lbs. Milk	Lbs. Fat
Witchwood Farm	North Wales	48.30	RG	7,928	388.0
Far Hills Farm	Ambler	20.19	RG	7,719	381.1
*Normandy Farms	Norristown, R.D. 3	99.35	RA	9,261	375.2
Dreamsholm	Maple Glen	16.64	RJ	6,748	365.2
Spring Run Farm	Dresher	13.22	RG	7,709	352.7
Clemwals Farm	Souderton	25.35	Mixed	9,206	350.4
William Pratt, Jr.	Willow Grove	22.13	GH:G	8,582	334.5
Holiday Farm	Norristown, R. 2	13.51	RG	6,671	311.6
Charles Shuman	Norristown, R.D. 4	22.72	Mixed	8,034	303.3

NORTHAMPTON COUNTY—(Northampton No. 1 Association)

Claude R. Shultz, Tester, Bangor, R. 2

*Charles Horne	Mt. Bethel R. 1	7.38	RH	13,995	443.2
Frank Butz	Bangor R. 2	9.34	RH	12,498	423.8
Elwood Dietterich	Bangor, R. 2	8.06	R:GrH	11,359	395.9
Charles Titman	Mt. Bethel, R. 1	15.73	GrH:GrG	10,128	372.5
Raymond Beck	Mt. Bethel, R. 1	9.26	R:GrH	10,365	371.2
Omer Dietterich	Mt. Bethel, R. 1	9.36	R:GrH	10,428	370.7
Claude Messinger	Bangor R. 2	12.71	RH	11,199	366.2
George Butz	Bangor, R. 2	11.46	RH	10,862	362.4
John Duran & Bros.	Pen Argyl, R. 1	10.80	R:GrH	9,019	347.6
Purity Farms	Bangor, R. 1	8.65	RH	9,820	341.6
Shoemaker & Son	Mt. Bethel, R. 1	23.49	GrH:Mixed	8,776	333.4
Flory Brothers	Nazareth, R. 3	26.47	R:GrG:GrH	7,822	331.5
Floyd Shook	Pen Argyl, R. 1	24.21	RH	9,068	327.2
Joseph Ackerman & Son	Pen Argyl, R. 1	17.05	PA:R:GrH	8,226	319.8
John Sandt	Mt. Bethel, R. 1	15.98	R:GrH	9,142	319.5
Frankel Farms	Mt. Bethel, R. 1	29.67	R:GrH	9,020	313.1
Flory Tolino	Flicksville	10.14	R:GrH	8,229	313.0
Raymond Jewell	Mt. Bethel, R. 1	12.56	GrH:GrG	8,358	313.0
Fred Achenbach	Pen Argyl, R. 1	4.08	Mixed	10,291	370.2

*Milked three times daily.

NORTHAMPTON COUNTY—(Northampton No. 2 Association)

Charles R. Beck, Tester, 55 South Main St., Nazareth, Pa.

Children's Home of Easton	Easton, Pa.	10.77	RH	12,657	457.8
*Gall Brothers	Easton R. 1	21.83	Gr:GrG	10,806	392.8
Eugene Kostenbader	Nazareth R. 2	11.10	R:GrJ	7,506	391.8
George Buss	Easton, R. 3	9.07	RG	8,305	391.0
Stanley Kemmerer	Bethlehem, R. 1	14.10	GrH:Mixed	10,544	374.0
Harry Clewell	Easton, R. 3	17.57	GrH:Mixed	9,292	363.0
B. L. Hindenach	Easton, R. 4	45.41	R:GrHr:GrG	9,663	357.0
John Buss and Son	Nazareth, R. 1	8.20	R:GrG	7,767	351.9
Harry Michael	Easton, R. 3	12.07	R:GrH:Mixed	9,983	348.7
Oscar Kleintop	Easton, R. 3	9.58	RA	8,310	342.8
Harry Roth	Nazareth, R. 2	7.10	RH	10,061	342.6
Roy J. Moser	Bethlehem, R. 1	15.29	R:GrH	9,220	328.1
George Willauer	Nazareth, R. 3	9.71	P:GrG	6,867	324.2
Calvin Ruch	Bethlehem, R. 3	6.97	P:GrH:GrA	8,147	317.8
D. T. Smith & Son	Easton, R. 2	17.51	R:GrH:Mixed	8,365	317.5
John Melchor	Easton, R. 4	19.87	R:GrH:GrG	8,643	307.4
Thomas Kostenbader & Son	Nazareth	30.57	GrG	6,923	304.0
George Dewalt	Easton, R. 2	18.80	R:GrH:GrG	7,956	301.4

*Milked three times daily.

NORTHUMBERLAND COUNTY—(Northumberland-Snyder Association)

John Orcutt, Tester, Corsica, Pa., R.D. 1

*State Colony	Selinsgrove	43.01	R:GrH	13,841	511.2
D. H. Hoffman	Richfield	8.29	RG	8,193	415.9
Clarence M. Bailey	Beavertown	12.90	P:GrH	11,225	393.9

Name of Owner	Address	Av. No. Cows	Breed	Lbs. Milk	Lbs. Fat
**W. A. Boyer	Selinsgrove	7.32	RH	12,058	391.0
H. E. Kuster	Selinsgrove	9.57	R:GrH	11,039	387.7
W. C. Gauger	Watsontown	12.50	RH	11,825	376.6
I.O.O.F. Orphanage	Sunbury	16.62	R:GrH	10,374	365.0
Fisher Brothers	Kreamer	19.43	R:PH	10,169	354.2
George S. Wesner	Watsontown	20.36	R:GrH:GrG	9,397	342.5
W. A. Rebuck	Dornsife, R.D. 1	6.08	R:Br:Sw	9,525	341.9
Ernest E. Ritter	Winfield	20.72	R:GrG	7,030	339.6
S. W. Engle	Sunbury	23.25	GrH:GrG	8,547	331.6
C. E. Witmer	Dalmatia	29.86	R:PG	6,910	323.2
Haughawaut Bros.	Sunbury	72.33	R:GrH	9,079	311.8
H. J. Masters	Sunbury	23.84	RH	8,877	307.0
John L. Frederick	Milton	11.57	R:GrG	6,868	300.2

*Milked three times daily.
**Part of herd milked three times daily.

PERRY COUNTY—(Perry Association)

Bruce E. Beaver, Tester, Wila, Pa.

George B. Black	Millerstown, Pa.	8.41	RH	12,652	472.8
George F. Rice	Blain, Pa.	10.28	R:GrH	12,241	436.8
Homer T. Gable	Newport, Pa.	10.58	R:GrH	12,379	436.2
Dwight McMillen	Loysville, Pa.	9.05	R:GrH	11,148	410.8
Milmay Farm	Loysville, Pa.	21.61	R:GrH	11,840	386.0
Harry R. Bixler	Millerstown, Pa.	7.40	GrH	9,685	368.1
Stanley Gable	Newport, Pa.	10.48	RH	9,914	365.5
H. R. Cooper	Landisburg, Pa.	10.79	R:GrH	9,644	328.6
John K. Hall	Millerstown, Pa.	18.87	GrG:R:GrH	8,457	312.7
Harry M. Hall	Millerstown, Pa.	10.93	R:GrH:R:GrG	8,842	311.3
Tressler Orphans' Home	Loysville, Pa.	44.02	RH	9,525	310.1
E. M. Dobbs	Loysville, Pa.	9.33	R:GrJ	6,217	302.6
H. R. Crozier	Landisburg, Pa.	19.96	GrH	9,052	302.0

POTTER COUNTY—(Ulysses Association)

Paul J. Gregory, Tester, Coudersport, Pa.

**Lawrence E. Buck	Ulysses	20.37	RH	12,592	428.3
Edward Kosa	Ulysses	13.64	R:GrJ:H	8,598	406.0
Stanley Welfling	Germania	8.89	GrH	9,200	394.7
*Preston Erway	Raymond	24.72	RH	11,637	386.4
Erwin Traub	Galeton	7.96	R:GrH	11,131	385.6
Wesley E. Cary	Harrison Valley	16.20	RA:GrJ	8,995	354.8
C. S. Ladd	Ulysses	14.71	R:GrH:RJ	9,271	346.0
J. K. Martin	Galeton	12.92	R:GrH	9,383	343.8
E. B. Pride	Mills	9.48	Mixed	8,233	338.2
C. S. Holbert	Genesee	15.82	R:GrH:Mixed	9,803	338.0
R. H. Leete	Coudersport	33.13	RH	10,022	334.9
Straley Bros.	Germania	14.08	R:GrH	10,456	332.0
H. E. Jones	Shinglehouse	9.77	RH	8,797	322.0
L. C. Traub	Galeton	9.67	RH	8,928	320.4
Frances Handwerk	Germania	9.22	R:GrH	8,239	315.1
S. L. Cary	Mills	21.08	RH	9,059	312.0
Potter Co. Home Fm.	Coudersport	27.63	RA	7,897	303.5

*Milked three times daily for 6 months.
**Four cows milked three times daily for 3 months.

POTTER COUNTY—(Potter No. 2 Association)

B. Wayne Kelly, Tester, Coudersport, Pa.

C. B. Goodrich	Roulette	14.23	Mixed	8,312	377.4
Joe Grom	Coudersport	12.18	Mixed	9,179	364.9
John Bauer	Emporium	24.83	RH	10,458	362.9
C. C. Buck	Ulysses	21.73	RH	9,832	346.1
Harry B. Lent	Coudersport	18.63	R:GrH	9,910	332.3
Harold A. Jones	Coudersport	16.46	Mixed	7,463	306.8

SCHUYLKILL COUNTY—(Schuylkill Association)

Henry E. Lindner, Tester, Zion Grove, Pa.

Name of Owner	Address	Av. No. Cows	Breed	Lbs. Milk	Lbs. Fat
*Mrs. Maud Richards	Pottsville	16.57	R:GrH:Mixed	13,788	520.9
Clarence Breiner	Tamaqua #3	18.05	RJ	8,710	441.5
U. E. Rhein, P.	Pine Grove	22.09	R:PJ	8,084	421.8
**Luzerne Co. Ind. School	Kis-Lyn	51.96	RH	12,033	405.2
Jonathan Herring	Pine Grove	15.86	RJ	7,690	397.2
I. Earl Paxson	Sch. Haven	21.52	R:GrH	11,194	386.8
Arthur Heisler	Tamaqua #1	19.10	R:GrH	10,460	383.7
Guy S. Reed	Summit Station	13.45	R:GrH	10,248	376.8
Benj. Heisler	Tamaqua	28.22	R:GrH:Mixed	10,321	367.5
Webster Wagner	Middleport	34.71	R:GrH:GrG	8,755	360.7
Roy Gauker	Cressona	10.66	R:GrH	10,312	349.3
Robt. C. Ludwig	Hegins	22.93	R:GrH	9,439	348.5
Bast Bros.	Sch. Haven	30.33	R:GrH	9,821	347.4
Roy Hunter	Ashland	22.45	R:GrH:Mixed	9,171	343.7
William Schwartz	Sch. Haven	25.61	R:GrH	9,807	338.9
Sch. Co. Poor District	Sch. Haven	29.03	RA	8,421	338.8
Pecora Farm Dairy	Drums	44.91	RH	10,387	338.2
Milton E. Stump & Son	Pine Grove	32.84	RG	6,885	334.8

*Milked three times daily.
**Part of herd milked three times daily.

SOMERSET COUNTY—(Somerset No. 1 Association)

Joseph Duncan, Tester, Somerset, Box 150, Pa.

Edward Yoder	Grantsville, Md.	14.57	GrJ	8,668	451.1
Meyers Brothers	Meyersdale	21.37	R:Br:Sw	10,349	440.8
O. W. Beachley	Somerset, R.D. 5	13.35	R:PH	12,439	424.4
Walter E. Yoder	Meyersdale	10.29	R:PJ	8,105	420.8
Wilbert Brant	Friedens, R.D. 1	20.24	Mixed	9,270	415.4
Ezra Yoder	Grantsville, Md.	18.53	R:GrG	7,629	387.5
Eli Yoder	Grantsville, Md.	16.83	R:PJ	7,379	372.5
Harry Stevanus	Meyersdale	5.97	Mixed	7,128	352.7
J. Jacob Glessner	Berlin, R.D. 5	15.69	P:GrH	9,930	351.0
Austin Ringler	Berlin, R.D. 2	15.14	R:GrH	9,087	347.2
N. A. Blough	Jerome	15.36	R:GrG:GrH	8,618	343.8
Galen Platt	Berlin, R.D. 2	23.72	Mixed	8,383	342.7
Noah Beachy	Meyersdale #2	10.77	Mixed	7,001	327.0
Menno Yoder	Meyersdale	34.04	RJ	6,541	314.6
Edward Landis	Berlin, R.D. 2	8.00	Mixed	7,070	309.8
John L. Knepper	Berlin, R.D. 2	21.29	R:GrH	7,585	304.3
Harry H. Ringler	Somerset, R.D. 5	20.02	GrH	8,914	300.3

SOMERSET COUNTY—(Somerset No. 2 Association)

Lester A. Lape, Tester, Somerset, Pa.

Gordon Brant	Somerset, R.D. 5	10.79	Mixed	9,022	418.8
Owen Beeghly	Somerset, R.D. 1	17.58	GrH	9,923	352.8
David Fodder	Somerset, R.D. 4	15.49	Mixed	7,743	332.5

SULLIVAN COUNTY—(Sullivan Association)

Roy W. Crofut, Tester, Wheelerville, Pa.

John D. Arey	Dushore	11.45	RJ:P:GrG	8,990	446.4
Alvin Rightmire	Forksville	16.92	CrH	10,505	385.5
F. W. Crofut & Son	Wheelerville	10.80	R:GrH:GrG	8,747	373.1
Thomas A. Doyle	Dushore	8.81	RH	11,226	370.6
Mrs. Pearl Shaffer	Forksville	15.25	GrH	9,227	343.4
Raymond L. Hart	Forksville	16.35	P:GrH	9,190	340.1
L. C. Tomkins	Ellenton	10.98	RH	9,109	317.3
Nelson Pardoe	Forksville	19.70	GrH:GrG	8,100	314.4

SUSQUEHANNA COUNTY—(Rush Association)

Ralph Squires, Tester, c/o County Agent, Montrose, Pa.

Name of Owner	Address	Av. No. Cows	Breed	Lbs. Milk	Lbs. Fat
Haskell Oakes	Montrose, Pa.	9.96	GrH	9,201	335.5
George Dayton & Son	Birchardville, Pa.	24.36	R:PJ	6,163	316.8
John Bunnell	Montrose, Pa.	23.09	P:GrH	9,409	315.6
Orlo Seeley	Fairdale, Pa.	21.19	R:GrH	8,432	312.1
Harvey Jenner & Son	Fairdale, Pa.	11.63	GrH:GrG	7,541	303.9
A. I. Raub	Montrose, Pa.	17.04	GrH:Mixed	7,114	303.4

SUSQUEHANNA COUNTY—(Choconut Valley Association)

Lloyd C. Potter, Tester, c/o County Agent, Montrose Pa

Wright Griffin	LeRaysville, Pa.	18.83	RJ	7,044	389.2
Sheldoncroft Farm	Brackney	12.53	R:GrG:R:GrH	7,819	353.0
Thomas J. Murphy	Brackney	23.42	R:GrH	9,915	352.4
G. C. Shafer	Brackney	22.08	GrH	9,744	345.1
Glen E. Mead	Montrose	16.41	RH	8,971	331.8
E. B. Ely & Son	Kingsley	68.06	GrH:Mixed	8,517	328.6
Leland C. Fuller	Laceyville	16.01	R:GrH	9,186	325.9
Susquehanna Farm	Montrose	33.70	RA:Mixed	8,333	318.8

SUSQUEHANNA COUNTY—(Gelatt-So. Gibson Association)

Robert Hartt, Tester, c/o N. C. Dale, Agri. Ext. Office, Montrose, Pa.

*Curtis Allen	Nicholson	17.78	GrG:P:GrH	13,292	519.4
**Cordie Allen	Nicholson	18.60	RH	13,843	460.4
***A. L. Bowell	Thompson	18.41	RH	12,609	446.8
John Booth Farms	Carbondale	16.18	GrH	8,511	405.6
Miss Nancy Tinklepaugh	Thompson	5.10	RH	11,362	386.9
****Miller Farms	Thompson	37.88	GrH	10,842	372.2
Michael Petrilak	Carbondale	14.49	Mixed	8,607	361.0
*****W. J. Horton	Clifford	25.92	RH	10,383	319.4
Roy L. Wilmot	Jermyn	17.66	R:GrH	9,933	360.4
A. B. Jackson	Harford	18.25	R:GrH	9,947	315.7
John Felton	Kingsley	9.25	RH	9,672	306.6

*Part of herd milked three times daily for 8 months.
**Herd milked three times daily for 5 months.
***Herd milked four times daily for 7 months.
****Herd milked three times daily for 10 months.
*****Herd milked three times daily for 4 months.

SUSQUEHANNA COUNTY—(Western Susquehanna No. 1 Association)

H. Mac Hindman, Tester, c/o County Agent, Montrose, Pa.

Floyd Hibbard	Springville	14.05	RH	12,657	405.0
*Clifford Palmer	Lynn	10.68	R:GrH	12,016	395.0
Claude Button	Springville	12.03	RH	11,704	390.1
**Crystella Dairy Farm	Springville	22.84	GrH	10,870	389.1
Benton Mitchell	Springville	13.46	R:GrH	12,294	388.4
S. C. Birchard & Son	Birchardville	52.96	RJ	7,035	364.8
R. L. Carter	Montrose	24.61	R:GrG	7,336	353.7
Norman Carter	Lawton	12.21	R:GrG	6,952	338.4
Fernheim Farm	Montrose	23.20	RA	8,265	337.9
Ralph Fisher	Lynn	15.66	R:GrH:GrJ	8,419	333.7
Raymond Strickland	Factoryville	14.07	R:PH	10,484	322.9
Robert Heitsman	Dimock	23.06	GrH	9,433	319.3
S. R. Ellsworth	Meshoppen #1	13.55	RH	9,527	314.7
Agawam Farm	Springville	24.35	R:GrG	6,636	312.1
A. R. Lyman	Meshoppen #1	20.99	R:GrH	8,880	304.4

*Part of herd milked three times daily for 5 months.
**Part of herd milked three times daily for 2 months.

SUSQUEHANNA COUNTY—(Western Susquehanna No. 2 Association)

Wayne Bunnell, Tester, c/o County Agent, Montrose, Pa.

Name of Owner	Address	Av. No. Cows	Breed	Lbs. Milk	Lbs. Fat
*Ray Walworth	New Milford, Pa.	17.51	RH	12,440	443.8
R. S. Dayton	Dimock, Pa.	29.25	RH	11,726	431.6
Dewitt Griffing	Montrose, Pa.	20.15	RH	11,153	425.8
T. D. Cooley	Nicholson, Pa.	17.65	R:GrH	11,112	408.2
Louden Hill Farm	So. Montrose, Pa.	236.50	R:GrH:GrG	9,373	391.2
**Guy B. Robinson	Montrose, Pa.	21.43	RH	11,179	381.0
Earl Sherman	Springville, Pa.	21.60	R:GrH	10,448	360.3
George C. Comstock, Jr.	Montrose, Pa.	24.26	R:GrG	7,035	359.9
Tiffdale Farm	Brooklyn, Pa.	30.90	R:GrH:R:GrG	8,231	355.9
J. W. Ball	Montrose, Pa.	27.84	R:GrH	10,170	348.4
Perry Goff & Sons	Montrose, Pa.	22.95	P:GrH	9,348	338.4
W. H. Parks	Susquehanna, Pa.	20.99	GrG:R:GrH	8,666	335.0
Mrs. Wm. Norris	Dimock, Pa.	45.04	R:GrG	7,085	333.3
J. H. Campbell	Conklin, N. Y.	44.95	Mixed	7,806	330.4

*Part of herd milked three times daily for 5 months.
**Part of herd milked three times daily for 3 months.

TIOGA COUNTY—(Cowanesque Valley Association)

Robert Gingerich, Tester, Knoxville, Pa.

DeForrest Jordan	Knoxville	8.08	P:GrA:Mixed	9,747	412.5
Ralph Clark	Knoxville	9.87	R:GrH	11,130	398.4
Fred Bertch	Westfield #2	10.00	GrH	11,172	391.8
L. G. Hunt	Westfield, R.D. #1	16.72	R:GrH	10,840	373.6
Henry Doan	Knoxville	15.98	R:GrH	11,398	370.3
Lindsley Kilborn	Knoxville	10.03	RH	10,084	343.6
Hattie Decker—Maude Pride	Westfield	25.65	RH	9,925	325.2
Lynn Doan—J. B. Gilbert	Knoxville	16.11	R:GrH	9,346	319.4
A. M. Newlands	Knoxville	18.11	R:GrH	8,385	302.5

TIOGA COUNTY—(Jackson Association)

Ward McConnell, Tester, Millerton, Pa.

E. N. Garrison	Millerton, Pa.	18.01	RJ	7,579	419.6
Curtis Smith	Gillett, Pa.	27.81	RJ	7,939	405.4
Victor H. Hurd	Millerton, Pa.	15.56	R:GrG	7,312	347.7
E. B. Spencer & Son	Millerton, Pa.	25.43	RH	8,389	322.7
Glenn Noble	Gillett, Pa.	30.83	R:GrJ	6,277	320.4
Ford Smith	Millerton, Pa.	21.20	RJ	6,607	319.0
George H. Corey	Gillett, Pa.	29.36	Mixed	6,617	311.3
Noel Card	Lawrenceville, Pa.	7.18	R:GrJ	6,042	301.3

TIOGA COUNTY—(Liberty Association)

Clyde H. Wilson, Tester, Liberty, Pa.

Wilbur Brion	Liberty	16.04	Mixed	9,318	419.1
Daniel Bonnell	Liberty	14.53	R:PJ	7,857	398.0
Albert Norman	Liberty	16.91	RJ	7,423	390.2
Ed. W. Brion	Liberty	12.60	RJ	6,797	385.4
Henry Brown	Liberty	14.04	GrH:Mixed	9,153	384.9
T. Marvin Tebo	Leolyn	25.70	R:GrH:GrJ	9,702	384.1
Ernest Loudenslager	Liberty	29.31	Mixed	9,932	382.8
Gordon Parker	Liberty	27.70	GrH	9,968	380.8
Chancey Brion	Liberty	13.70	R:GrH	10,433	367.0
Traces Mase	Liberty	25.38	R:P:GrH:Mix	9,488	366.5
Matt Shanley	Ogdensburg	10.25	GrH	8,808	347.2
Halleck Holcombe	Liberty	14.55	R:GrH:Mixed	8,517	346.6
Carl Schanbacher	Liberty	16.24	R:GrH	8,983	341.0

Name of Owner	Address	Av. No. Cows	Breed	Lbs. Milk	Lbs. Fat
Mrs. Gladys Mase	Liberty	11.21	R:GrJ:R:GrH	7,417	324.9
Burdette Mase	Liberty	28.51	R:GrH	8,633	320.7
Snyder Bros.	Liberty	23.51	RH	9,353	320.7
Herbert Jones	Ogdensburg	14.67	R:GrH	8,871	317.7
Charles Forer	Liberty	14.92	Mixed	7,896	310.6
Walter Krotzer	Liberty	10.74	Mixed	8,406	308.5
Marshall Bros.	Liberty	20.58	P:GrG	6,959	308.3
Willard Spencer	Canton	20.16	P:GrH	7,821	307.7

TIOGA COUNTY—(Mansfield Association)

Ellis E. Morgan, Tester, Mansfield, Pa.

Russell Kendrick	Mansfield	24.93	GrH:GrJ	11,887	472.3
F. O. Purvis	Covington	35.91	Mixed	10,716	442.6
Jerome Niles	Wellsboro	18.48	RH:RJ	10,036	383.3
Roy Whittaker	Covington	16.94	RH	10,815	371.1
Ernest Bolt	Covington	23.65	R:GrH	9,204	368.2
Jesse M. Baity	Covington	36.04	GrH:Mixed	8,383	366.7
Carl Hasker	Wellsboro	8.22	R:PH	10,191	362.6
Hugh Davie & Son	Mansfield	19.39	R:GrH	9,959	356.9
Francis L. Erway	Mansfield	18.66	R:GrH:Mixed	8,352	336.3
R. B. Owlett	Mansfield	21.66	Mixed	8,048	332.0
Elmer L. Smith	Mainesburg	14.50	RH	8,695	317.0
J. H. Inscho	Mansfield	12.74	RH	9,199	316.4
Howard B. Connelly	Mainesburg	24.74	R:GrH	8,067	311.6
Dean E. Phelps	Mansfield	10.22	R:GrH	8,418	301.7

TIOGA COUNTY—(Wellsboro Association)

George W. Thompson, Tester, Wellsboro, Box 604, Pa.

*P. P. Korb	Wellsboro	7.82	RJ	9,432	538.2
**Clark Bowen	Wellsboro	18.55	RH	12,761	451.2
George B. Butler	Wellsboro	23.12	R:GrG	9,249	447.2
J. & H. Davis	Little Marsh	23.83	R:GrH	12,247	419.5
Roy S. Bowen	Wellsboro	17.76	RH	12,080	408.6
**Richard L. Hughes	Tioga	28.97	H:GJ:Mixed	8,834	381.2
Ivan Kinnan	Middlebury Centre	30.04	H:G:Mixed	10,092	377.0
**T. J. Erway	Wellsboro	14.77	R:GrH	11,250	373.1
Ray O. Collins	Crooked Creek	21.35	RH	11,086	368.7
W. E. Close	Tioga	27.89	R:GrH	10,455	364.9
M. A. Youmans & Son	Mansfield	20.06	R:GrH	10,027	361.6
Leon Manning	Tioga	18.11	GrH	9,198	331.6
LeRoy S. Cobb	Wellsboro	7.25	RA	8,290	330.5
Ralph Sampson	Crooked Creek	13.40	RH	9,289	325.0
Eatoncroft	Wellsboro	26.66	RJ	6,836	324.6
W. S. Learn	Lawrenceville	17.28	H:J:Mixed	8,452	324.5
Angie Bailey	Middlebury Centre	17.56	R:GrG	6,547	309.6
C. D. McKinney	Tioga	29.09	GrH	7,726	301.7
Neil Gleason	Little Marsh	20.03	GrH	8,497	301.4
County Farm	Wellsboro	31.06	RA	8,217	300.0

*Herd milked three times daily.
**Part of herd milked three times daily for 5 months.

TIOGA COUNTY—(Wellsboro No. 2 Association)

Lewis A. Custer, Tester, Addison, N. Y.

Marston Watters	Crooked Creek, Pa.	8.44	R:GrH	9,953	350.3

UNION COUNTY—(Buffalo Valley Association)

Oscar H. Rockey, Lewisburg, Pa., R.D. 2, John Nale, Milroy, Pa., R.D., Testers

Name of Owner	Address	Av. No. Cows	Breed	Lbs. Milk	Lbs. Fat
H. K. Benner	Vicksburg, Pa.	9.90	RH	15,389	537.1
*Robert J. Smith	Millmont, Pa., R.D. 2	6.99	RH	13,750	463.3
G. Asher Erdley	Lewisburg, Pa., R.D. 1	9.77	RH	12,807	451.6
**Laurelton State Village	Laurelton, Pa.	37.94	R:GH	13,552	446.5
***A. C. Slifer	Lewisburg, Pa., R.D. 2	9.98	RH	12,054	435.6
John S. Wehr	Mifflinburg, Pa.R.D. 2	25.87	R:PH:Mixed	11,443	431.9
H. A. Walter & Son	Lewisburg, Pa.R.D. 1	15.68	RH	11,382	418.9
W. T. Kostenbader	Lewisburg, Pa. R.D. 3	12.96	RH	11,275	417.3
Ralph F. Erdley	Lewisburg, Pa. R.D. 1	14.64	RH	11,519	413.0
William J. Erdley	Mifflinburg, Pa.R.D. 2	12.99	RH	11,964	407.4
R. E. Musser	Lewisburg, Pa. R.D. 2	15.87	R:PH	10,849	395.6
George L. McCormick	Allenwood, Pa.	8.61	RH	11,279	392.1
Calvin Stahl Est.	Mifflinburg, Pa.R.D. 1	11.33	RH	10,840	383.7
Miles M. Erdley	Lewisburg, Pa. R.D. 1	9.60	R:GH	10,684	380.8
Betchel Bros.	Lewisburg, Pa.	12.97	R:GG	7,973	376.5
Shoemaker & Cole	Vicksburg, Pa.	10.77	R:GH	10,035	368.0
Mrs. Mary Brouse	Mifflinburg, Pa.R.D. 1	10.47	R:B:S	8,906	353.3
William S. Erdley	Lewisburg, Pa. R.D. 1	12.08	RH	10,337	352.7
J. S. Zeigler	Lewisburg, Pa. R.D. 3	23.25	RH	9,933	346.0
J. D. Shreck	Lewisburg, Pa. R.D. 3	18.85	R:GH:GG	9,356	339.8
Philip K. Frederick	Lewisburg, Pa. R.D. 2	13.82	P:GH	10,041	333.4
****Charles E. Sassaman	Winfield, Pa.	10.63	R:GH	9,424	325.2
Orvis T. Eisenhuth	Lewisburg, Pa. R.D. 1	13.02	Mixed	9,476	322.9
A. A. Eisenhauer	Lewisburg, Pa. R.D. 2	11.63	RH	9,485	321.3
Clem L. Miller	Lewisburg, Pa. R.D. 3	11.19	P:GH:GG	7,980	315.8
F. D. Yarger	Penns Creek, Pa.	9.75	R:GBS	7,850	300.0

*Part of herd milked three times daily for 3 months.
**Part of herd milked three times daily for 9 months.
***Milked three times daily.
****Part of herd milked three times daily for 4 months.

VENANGO COUNTY—(Venango Association)

John E. Baker, Tester, 112 Wyllis St., Oil City, Pa.

River Ridge Farm					
Mrs. Celia S. Wilson	Franklin, Pa.	7.27	RJ	8,849	441.7
*Polk State School	Polk, Pa.	158.88	RH	11,979	429.5
Carlton Jersey Farm					
R. Wayne Fish & Son	Carlton, Pa.	11.24	R:GrJ	8,317	424.5
John L. Mitchell	Oil City, Pa., R. 1	8.67	R:GrG	8,676	422.5
S. S. Blauser	Fertigs, Pa.	14.61	R:GrG:Mixed	8,523	394.7
Chamor					
Mrs. A. C. Morck	Oil City, Pa.	7.75	R:GrG:Mixed	8,075	392.4
D. H. Morrison	Van, Pa.	12.89	RG	7,334	391.5
**Hilltop Stables					
C. L. Suhr	Oil City, Pa.	7.32	R:GrG	8,171	383.1
Paul A. Rhodes	Franklin, R. 4	13.59	GrG:Mixed	8,358	368.8
Rosemont Farm					
C. A. Miller	Franklin, Pa.	16.85	RJ	6,833	368.7
Graham & Marstellar	Franklin, R.D. 1	18.42	R:GrG:Mixed	7,158	356.1
Carl D. Baker	Franklin, R.D. 2	8.23	Mixed	7,426	354.3
Frank W. Riddle	Emlenton, R.D. 2	10.69	R:PJ	6,331	353.1
W. E. Stewart	Titusville, R.D. 4	15.19	R:GrG:Mixed	7,495	345.2
Chas. Campbell	Emlenton, R.D. 2	13.14	R:GrG	6,745	345.1
Biery Guernsey Farms, Inc	Franklin, R.D. 4	47.99	RG	6,941	335.2
Chas. Servey	Titusville, Pa.	6.40	Mixed	6,654	332.1

*Milked three times daily.
**Part of herd milked three times daily for 10 months.

WARREN COUNTY—(Warren No. 1 Association)

Mervin C. Schuckers, Tester, Spring Creek, Pa.

Name of Owner	Address	Av. No. Cows	Breed	Lbs. Milk	Lbs. Fat
Arthur Brundage	Spring Creek	9.87	GrG:GrH	11,734	459.8
Carl Johnson	Sugar Grove	16.28	GrH	11,424	433.6
Mrs. A. J. Leofsky	Spring Creek	17.31	GrH	11,149	420.2
*Warren State Hospital	Warren	116.83	R:GrH	11,908	420.0
Tubbs Bros.	Spartansburg	15.10	Mixed	9,850	411.6
C. J. Curtis	Columbus	35.93	RJ	7,740	409.1
Chandler Mason	Spring Creek	9.24	Mixed	10,100	407.8
William Armitage	Spring Creek	29.24	GrH	9,927	387.4
Carl Norbeck	Sugar Grove	37.81	RH	11,164	379.1
Thayne Tubbs	Spartansburg	18.61	GrH:GrJ	9,524	378.1
Warren Wilcox	Akeley	13.44	R:GrG	7,022	349.9
William Henry	Spring Creek	11.37	Mixed	8,779	349.4
Monroe Upton	Spring Creek	15.73	R:GrH	9,056	342.8
Henry Ward	Youngsville	22.75	Mixed	7,974	335.5
Rouse Hospital	Youngsville	29.53	R:GrH	9,277	334.7
Ora Mitchell	Spring Creek	18.45	GrH	7,721	307.3

*Part of herd milked three times daily.

WARREN COUNTY—(Warren No. 2 Association)

Michael Hummel, Tester, Extension Office, Court House, Warren.

Ralph Swart	Corry	19.46	R:GrH	11,125	360.0
C. R. Moore	Garland	78.23	GrG	7,598	349.1
Harry Long	Pittsfield	12.60	P:GrH:GrG	8,809	348.7
C. V. Pierce	Torpedo	15.55	GrG:R:GrH	8,839	343.5
Albert Firth	Russell	19.28	R:GrH	9,096	323.3
Robert Davis	Pittsfield	22.01	GrH	8,687	322.1
Raleigh VanTassel	Corry	27.52	Mixed	7,910	320.8
F. L. Dodd & Son	Columbus	37.25	GrH	8,446	308.8

WASHINGTON COUNTY—(Washington Association)

George W. Hayden, Tester, Elizabeth, Pa.

*F. G. Hayden	Elizabeth, Pa.	22.87	R:GrG	10,593	545.6
*S. B. Day & Sons	Washington R.D. 4	19.62	R:GrG	9,639	503.6
**Penna. Training School	Morganza, Pa.	44.60	R:GrH	13,554	467.0
Alex. Hamilton & Son	Washington, R.D. 5	12.82	R:GrG	9,344	462.4
*Jay Nelan & Sons	Claysville, Pa. R.D. 3	22.88	RG	9,476	449.3
Washington County Home	Washington, Pa.	33.41	RH	12,265	434.6
Perry F. Morris	Charleroi, Pa. R.D. 1	19.54	PJ	8,329	412.4
Roy Robison & Son	Coal Center, R.D. 1	28.70	R:GrJ	7,871	401.8
Hank Bros.	Monogahela R.D. 1	23.95	R:GrG	8,846	396.8
Edward Walker	Washington, R D. 4	9.22	RJ	7,090	391.2
Bridges & Welch	Burgettstown, R.D. 3	14.97	RH	11,267	385.5
A. W. Morrison	Eighty Four R.D.	8.89	R:PJ	7,320	381.5
A. L. & Hugh Berry	Eighty Four, Pa.	12.53	R:GrG:GrH	8,902	380.6
J. Clarence Paxton	Washington, R.D. 1	16.91	RH	10,650	371.3
Irwin Bros.	Monongahela, R.D. 1	35.99	R:GrG	7,730	370.5
J. L. Cooper	Charleroi R.D. 1	20.97	R:GrG:Mixed	8,130	370.3
Paul W. Lewis	Washington R.D. 4	24.82	R:GrG	7,334	363.3
J. A. Dinsmore	Washington R.D. 3	21.24	R:PJ	6,523	360.2
***C. A. Hayden	Monongahela, Pa.	46.30	RG	7,250	341.3
R. S. Zediker	Eighty Four, Pa.	14.42	P:GrH	9,480	338.7
****Wm. B. Scott	Washington, R.D. 4	7.28	R:M:Sh:GrJ	8,467	327.8
W. Lee Cowden	McDonald, R.D. 4	17.38	R:GrG	7,042	319.9
W. H. Farrar & Sons	McDonald, R.D. 4	26.94	GrH:Mixed	7,914	300.0

*Milked three times daily.
**Part of herd milked three times daily.
***Part of herd milked three times daily for 3 months.
****Part of herd milked three times daily for 2 months.

WAYNE COUNTY—(Clinton Association)

Dean Wright, Tester, Honesdale, Pa.

Name of Owner	Address	Av. No. Cows	Breed	Lbs. Milk	Lbs. Fat
George Roesner	Aldenville, Pa.	15.45	RJ	8,776	461.6
W. F. Hauenstein	Waymart, Pa. #1	28.85	RJ	7,760	430.8
Stephen O. Snedker	Waymart, Pa. #1	22.18	R:GJ	7,955	418.6
Chester Rickard	Honesdale, Pa.	24.17	RH:P:GJ	9,836	406.8
Bethany Homestead Farms	Honesdale, Pa.	68.38	RG	8,134	397.3
*Fairview State Hospital	Waymart, Pa.	45.20	R:GH	11,378	396.1
Russell G. Erk	Prompton, Pa.	55.75	RJ	7,329	395.4
**Lester R. Male	Honesdale, Pa.	20.84	R:GH	11,315	384.9
W. E. Rude	Waymart, Pa. #1	32.50	RJ	7,104	376.9
S. J. Shaffer & Son	Waymart, Pa. #1	17.93	R:GH	10,981	373.8
C. F. Drake	Waymart, Pa.	49.09	R:GJ:GH	8,705	371.5
L. H. Grimm	Honesdale, Pa. #1	16.78	GG:GJ	10,299	361.7
B. F. Kennedy	Pleasant Mount, Pa.	36.41	GH	10,505	356.9
Andrew Barna	Waymart, Pa.	19.77	GG:Mixed	7,721	345.9
Clarence Moase	Pleasant Mount, Pa.	14.50	R:GH	9,624	344.8
Edward Erk	Seelyville, Pa.	35.74	RJ	6,323	340.3
Russell Trevethan	Honesdale, Pa.	28.12	P:GH:GJ	7,447	326.7
***E. E. Kinsman	Honesdale, Pa. #2	25.65	RH	9,717	325.4

*Milked three times daily.
**Part of herd milked three times daily for 7 months.
***Part of herd milked three times daily for 9 months.

WAYNE COUNTY—(Damascus Association)

Dean E. Morgan, Tester, 290 Troy St., Canton, Pa.

C. E. Canfield	Damascus, Pa.	19.00	RH	10,814	392.7
*F. B. Dunn & Sons	Honesdale, #14	25.68	R:GrH	10,845	387.8
Emmett Hathaway	Equinunk, Pa.	13.80	P:GJ:Mixed	8,036	384.4
S. E. Woodley	Narrowsburg, N. Y.	18.71	RH	10,063	362.4
Otis Latourette	Honesdale, Pa.	40.48	R:GrH	9,718	358.1
Henry Riefler	Honesdale, Pa.	24.70	GG:GrH	7,885	343.9
Emmett Olver	Honesdale, Pa. #4	39.72	RH	9,357	339.6
Theron L. Johnson	Honesdale, Pa.	8.08	R:GrH	9,473	339.0
Russell Sheard	Milanville, Pa.	32.94	R:GrH	9,695	333.6
W. J. Robbins	Beachlake, Pa.	20.73	RH	9,413	331.2
W. H. Brunig	Honesdale, Pa.	38.53	GG:GrH	8,342	329.1
Arnold Rutledge	Lookout, Pa.	24.56	GrH	9,368	323.9
T. H. Olver	Honesdale, Pa.	23,74	RH:GrG	8,396	317.6

*Milked three times daily.

WAYNE COUNTY—(Lake Ariel Association)

Edward Doney, Tester, Lake Ariel, Pa.

*Arden Edwards	Lake Ariel, Pa.	18.48	RG	7,864	399.1
Jesse Miller	Waymart, Pa., R.D.	18.18	R:GH	10,447	392.4
**Emil Brown	Lake Ariel, Pa.	10.63	R:GH	11,150	381.8
Clare Fielding	South Canaan, Pa.	8.70	GG:Mixed	9,050	375.0
*Harry Simpson	Lake Ariel, Pa.	26.23	RH:P:GG	9,657	368.7
Friend Ammerman	Lake Ariel, Pa., #3	12.90	R:GH:GG	9,348	362.8
Robert Lamberton	Waymart, Pa., R.D.	19.86	GH:G	8,404	346.5
**Martin Memolo	Moscow, R.D.	13.17	RJ	6,792	340.0
Delbert McKinney	Lake Ariel, Pa.	28.09	R:GG	7,411	319.5
***John Cobb	Lake Ariel, Pa.	21.56	R:GG	6,502	300.6

*Milked three times daily for three months.
**Eleven months records
***Milked three times daily for 6 months.

WAYNE COUNTY—(Preston Association)

Kermit Stephens, Tester, Preston Park, Pa.

Name of Owner	Address	Av. No. Cows	Breed	Lbs. Milk	Lbs. Fat
C. F. Roney	Preston Park, Pa.	15.77	GJ:Mixed	9,301	426.8
C. C. Dibble	Starrucca, Pa.	20.50	RH	11,630	406.9
Clifford Haynes	Starrucca, Pa.	17.49	GH	10,368	375.3
R. H. Leet	Starrucca, Pa.	27.54	R:GH:GJ	9,640	375.2
*Kelsey Stone	Pleasant Mount, Pa.	39.95	R:GH	10,311	370.1
**Kenneth Doyle	Starrucca, Pa.	24.23	R:GH	10,563	366.1
Edw. Brooking	Pleasant Mount, Pa.	33.66	RH	9,590	346.0
John Tully	Lakewood, Pa.	28.23	R:GH	9,834	344.8
Harry Downton	Starrucca, Pa.	20.66	R:GH:GJ	9,370	327.3
E. J. Howell	Lakewood, Pa.	13.59	R:GH	8,707	322.7
Elmer Doyle	Pleasant Mount, Pa.	40.12	R:GH	8,823	312.6
E. W. Downton	Starrucca, Pa.	33.11	RH	9,089	306.3
Fred Erk	Starrucca, Pa.	28.82	RH	8,867	302.9
Edw. Ledyard, Jr.	Waymart, Pa., R.D. 1	21.61	GJ	5,899	302.0

*Part of herd milked three times daily for 3 months.
**Part of herd milked three times daily for 4 months.

WESTMORELAND COUNTY—(Westmoreland No. 1 Association)

Lawrence E. Harkleroad, Tester, Greensburg, Pa.

H. C. Waugaman	Greensburg, R. 4	15.69	R:GrJ:R:GrH	10,436	446.1
F. E. Lyons & Son	Saltsburg	10.91	R:GrJ:GrH	8,502	419.0
Westmoreland Homesteads	Norvelt	34.87	R:GrG	8,499	414.4
R. A. Eisaman	Irwin, R. 3	23.64	RH:R:GrG	9,540	396.7
J. C. Gaut	Alverton	19.83	RH	9,865	383.6
Lemon's Dairy	Saltsburg, R. 2	10.83	GrH:Mixed	8,985	376.1
Earl Stewart	Belle Vernon, R. 1	26.06	R:GrG:R:GrH	8,442	376.0
F. M. Kintigh	Irwin, R. 2	11.69	Mixed	9,512	371.3
W. M. Chicka	Lycippus	18.95	R:GrH:Mixed	8,908	366.3
Joseph Kim	Larimer	14.47	R:GrH:Mixed	9,591	354.6
Walter Lash	West Newton, R. 1	19.47	RG	7,697	354.4
Charles A. Baird	Salina	11.23	R:GrG	7,146	352.5
J. S. & W. A. Stoneman	Belle Vernon, R. 1	9.96	R:GrG	7,310	344.5
St. Vincent Archabbey	Latrobe	59.44	R:GrH	9,624	332.7
S. W. Heath	Belle Vernon, R. 2	19.98	RG	6,921	320.3
R. C. Lemon & Son	Saltsburg, R. 2	12.43	R:GrH	9,182	318.7
L. M. & V. B. Waddle	Saltsburg	16.76	RH	8,846	316.1
E. F. Lauffer	Irwin, R. 3	18.25	R:GrH:GrG	7,530	312.0
B. C. Walters	Slickville	15.20	GrH:Mixed	7,410	302.8
J. H. Seanor	New Alexandria	26.46	R:GrH	8,269	300.0

WESTMORELAND COUNTY—(Westmoreland No. 2 Association)

James H. Dunn, Tester, Greensburg, Pa.

*J. H. Silvis	Greensburg	38.44	RH	13,889	483.6
*Westm'd County Home	Greensburg	24.90	RH	12,709	469.7
Joseph Kuma	Belle Vernon	18.14	R:GrG	9,663	403.3
Bethlen Home	Ligonier	10.17	R:GrH	10,533	382.4
Rolling Rock Farm	Laughlinstown	12.55	RSw	9,432	379.6
David W. Robertson	Belle Vernon, R. 1	28.20	R:GrG	7,612	364.1
J. E. Wineman	Youngwood	18.03	Mixed	9,269	350.0
David H. Wells	Belle Vernon, R. 2	8.67	GrG:R:GrH	7,551	349.1
J. C. Turner	Pricedale	18.00	R:GrG	7,680	339.9
H. F. Miller	Ruffsdale	14.48	R:GrG:RH	8,399	335.7
C. C. Ruff	Slippery Rock	25.62	R:GrH	9,798	335.6
**Richard Kemp	Greensburg, R. 4	11.92	R:GrH:GrG	8,923	328.3
Frank F. Henderson	Bolivar	24.40	GrG:Mixed	7,276	327.7
James L. Smith	Belle Vernon	21.88	R:GrG	6,970	323.6

Name of Owner	Address	Av. No. Cows	Breed	Lbs. Milk	Lbs. Fat
John H. Miller	Greensburg, R. 3	23.71	R:GrH:GrJ	8,619	322.7
George H. Patterson	Belle Vernon, R. 2	20.98	RG	6,542	318.6
J. P. Martin	Blairsville, R. 2	14.96	RJ:Mixed	6,529	316.6
Seton Hill College	Greensburg	20.61	R:GrH:Mixed	9,726	314.8
D. N. Cairns & Son	Ligonier	11.62	R:GrH	9,654	311.1
O. M. Lash & Sons	West Newton, R. 1	19.08	RG	6,547	305.3

*Herd milked three times daily.
**9 months records.

WYOMING COUNTY—(Wyoming Association)

Charles Henry, Mehoopany, Pa.; Donald Hindman, Waverly, Pa.; Homer Lane. Tunkhannock, Pa.; Testers

Alfred S. Hallock	Laceyville	9.08	RH	13,495	505.0
F. M. Riker	Factoryville	14.56	RH	13,165	455.1
Hobart Furman	Mehoopany	24.63	R:GH:GG	12,350	446.8
Berne Adams	Mehoopany	12.86	R:GH:GJ	11,289	440.0
Vaughn Bros. & Luce	Mehoopany	44.64	RH:R:GrG:J	10,440	427.2
T. R. Davis	Falls	10.82	R:GG	8,422	405.0
LaFrance & Arthur	Laceyville	26.28	R:GH:GG	11,078	402.4
E. V. Prevost	Tunkhannock	26.37	RH	11,903	400.0
W. N. Lane	Tunkhannock	15.52	GG:Mixed	8,104	398.3
L. L. Line	Tunkhannock	16.28	GG	8,110	389.6
Oscar L. Heitsman	Tunkhannock	22.38	R:GG:Mixed	8,298	385.6
Lewis H. Williams & Son	Tunkhannock	25.65	R:GH:Mixed	10,201	382.2
H. B. Stevens	Laceyville	10.60	GH:Mixed	9,895	381.4
C. B. Allshouse	Tunkhannock	20.27	GH:GG	8,276	379.2
C. W. Henning	Mehoopany	19.30	RH	10,558	377.4
B. H. Burgess	Tunkhannock	13.63	R:PG	7,622	376.4
H. B. Schooley	Dallas, R.D. 3	8.37	RA	9,234	375.2
H. F. Hunter	Falls	11.00	RH	10,571	365.2
C. E. Dietrich	Tunkhannock	38.06	R:GG:Mixed	7,535	358.9
B. B. Harding	Tunkhannock	22.62	R:GH	10,339	357.4
John B. Sheehan	Mehoopany	17.49	R:GH	9,820	356.2
J. J. Brunges	Tunkhannock	23.09	R:GG	7,658	354.8
H. W. June	Mehoopany	9.78	R:GH:GG	9,517	354.0
Walter Burgess	Mehoopany	11.18	R:GH:GG	8,757	350.1
Oscar Sickler	Osterhout	19.11	R:GH:Mixed	8,906	341.9
John W. Coon	Wyoming, #3	9.82	GH:GG	7,662	336.5
Floyd B. Sands	Mehoopany	10.16	GH:GJ	8,772	336.2
Stanley A. De Witt	Tunkhannock	18.38	Mixed	8,223	332.9
Fred J. Kintner	Mehoopany	18.15	R:GG	6,602	330.1
St. Michaels Ind. School	Hoban Heights	18.45	R:GH	8,623	318.0

YORK COUNTY—(Northern York Association)

Wells Hoover, Tester, Wellsville, Pa.

W. F. Dummer	Mt. Wolf	18.53	Mixed	8,721	381.8
J. S. Brant	Dallastown	30.28	R:GG	8,065	377.0
Innerst Bros.	Dallastown	24.59	R:GH	10.396	368.9
C. Allen May	York #5	37.39	R:GG	7,876	365.4
J. A. Poorbaugh	York #3	38.95	R:GG	7,623	358.5
Old Forge Farms	Spring Grove	128.17	RA:RJ	7,572	346.8
Chas. Grove & Sons	Dallastown	16.32	RG	7,295	340.1
Elmer E. Eichelberger	Lewisberry	9.88	R:GH	8,715	330.4
J. Raymond Arnold	Hellam	54.17	R:GG	7,091	327.9
Maurice A. Hutton	Etters	12.08	R:GH	8,821	324.0
T. G. Cooke	Dillsburg	11.77	RG	6,533	322.3

YORK COUNTY—(Southern York Association)

Robert M. Scott, Tester, Delta, Pa.

Name of Owner	Address	Av. No. Cows	Breed	Lbs. Milk	Lbs. Fat
*Lauxmont Farms	Wrightsville	133.97	RH	12,318	466.6
H. Dale Malone	Delta	9.07	Mixed	9,334	455.5
Wm. J. Parlett	Woodbine	19.20	GG	9,238	446.2
Samuel Stewart	Delta	9.87	Mixed	9,976	438.7
Emory M. Kilgore	Woodbine	18.25	R:GG	9,255	429.0
Dale D. Kilgore	Woodbine	12.22	R:GG	8,224	413.4
W. Herbert Wiley	Delta	7.49	Mixed	8,942	402.8
J. Paul Wiley	Delta	12.35	GG:Mixed	7,977	384.5
Jay Bee Farms	York New Salem	31.72	RA	8,984	375.8
W. S. Grimm	Red Lion	59.35	RH	10,244	374.8
H. J. Handley	Delta	15.50	R:BSw	8,780	368.3
J. H. Handley	Delta	12.00	R:PBS	9,222	365.7
W. T. Richardson & Son	Whiteford, Md.	16.48	R:GG:GH	8,116	363.6
Guy A. Snodgrass	Woodbine	10.58	GG:Mixed	7,152	361.4
James N. Mackison	Delta	8.56	R:BS:Mixed	8,111	345.1
Mrs. Mary M. Grove & Son	Bridgeton	11.18	Mixed	7,593	343.6
Clyde F. Snodgrass	Highrock	25.82	R:GH	9,893	339.2
C. L. Eisenhart	York #4	38.61	R:GH	8,634	311.4
H. Lyle Hess	Delta	10.75	P:GG:Mixed	6,722	309.5
Gordon & Stone	Delta	33.18	Mixed	7,546	306.9
Harry J. Jones	Fawn Grove	11.20	GG:GJ	6,341	303.1
Dr. J. C. Atkins	Red Lion	19.55	R:GH	8,305	301.6

*Milked three times daily.

YORK COUNTY—(Central York Association)

Paul Kirkpatrick, Tester, c/o Geo. G. Weber, County Agent, York, Pa.

Ralph Wagner	Spring Grove	12.89	Mixed	9,894	391.3
*Geo. J. Campbell	York #6	49.45	RG	7,815	379.5
P. M. Bupp	Spring Grove	29.96	R:GG:Mixed	7,661	373.1
Mark A. Garber	York #4	16.31	R:GH:Mixed	9,836	370.7
W. A. Gross	York #1	26.13	R:GG	7,825	367.3
E. H. Fink	York #4	19.15	RH	11,284	357.5
Jordan Bros.	Stewartstown	18.62	R:GH:Mixed	8,389	346.8
M. D. Smith	Dover	16.31	R:GH	10,084	334.8
Frank L. Krall	East Berlin	41.42	RH	9,131	327.7
John M. Emig	York #2	13.97	R:GG	6,427	315.8
Lloyd R. D. Bentz	Dillsburg	12.25	R:GG:GH	7,251	305.6

*Milked three times daily for 6 months.

The Indiana County Holstein-Friesian Bull Association, No. 1

ORGANIZED 1936

All herds certified and accredited for T. B. and Bang's disease.

150 females in members herds.

All herds have D. H. I. A. records for several years.

Bulls in use from Winterthur and Wimbledon breeding with good butterfat test.

Young bulls and females for sale.

Herds headed by the following sires:

WINTERTHUR POSCH ORMSBY NIMROD 666928
His 6 nearest dams average 365 days
Fat 919.89 lbs; Milk 25,073.12 Lbs.; Test 3.67%

WIMBLEDON INKA GERBEN PRINCE 689074
12 nearest dams average 365 days
Fat 959.7 lbs.; Milk 27,018.45; Test 3.55%

WIMBLEDON RUBY EMPEROR 723862
11 Nearest dams average 365 days
Fat 957.43; Milk 25,925.37; Test 3.69%

WINTERTHUR FOBES GREAT TRITAN 770710
14 Nearest dames average 365 days
Fat 930.16; Milk 23,664.91; Test 3.93%

C. S. GERHARD, President
Blairsville, Pa.

R. D. MARSHALL, Sec., Treas.
Beyer, Pa.

J. S. CORNELL, V. President
Blairsville, Pa.

W. H. WOOD
Shelocta, Pa.

Dairy Cow Life Time Production Records

5000 POUNDS BUTTER FAT AND OVER

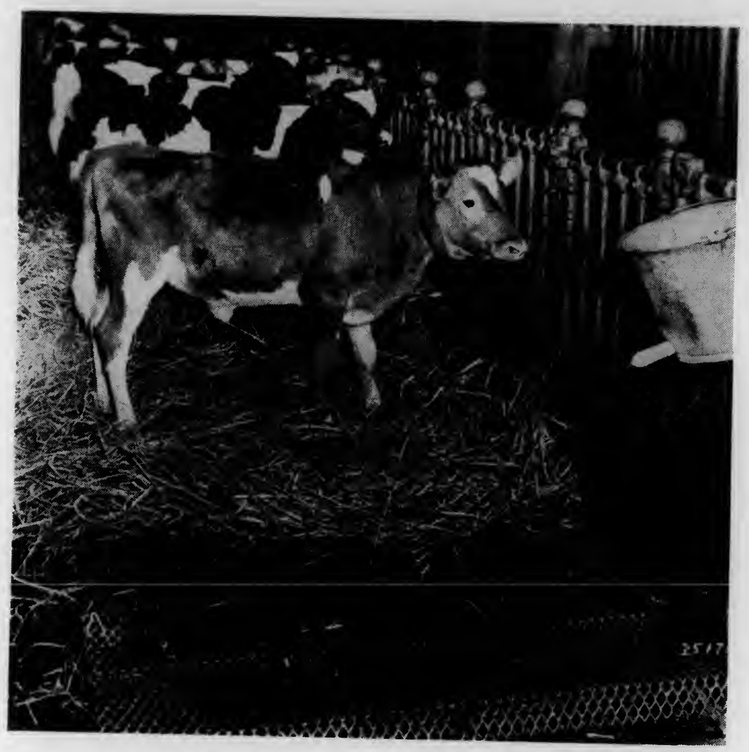
During 1940 the Pennsylvania Dairymen's Association awarded 39 Gold Seal Meritorious Certificates to owners of cow's producing 5000 lbs. of butterfat or more in D. H. I. A. Work.

*—Still producing **—Final record, dead, ***—Sold for breeding

Cow's Name and Number	Breed	Born	Yrs. on Test	Milk	Butterfat
Roy S. Bowen, Wellsboro, R.D. 6					
Winnie Ormsby Pontiac Finderne 1027092	RH	10-13-24	13y	235,868	7,180.6*
Gw[illegible]ie Junior Ormsby Finderne 907025	RH	11-5-23	13y	199,094	6,345.7*
Ivo V. Otto, Carlisle, R.D. 5					
B. S. Bonair Hartog, 1085903	RH	3-5-25	13y	176,315	6,614.7*
B. S. Helena Segis, 1109030	RH	9-17-25	12y	138,441	5,143.9*
Westmoreland County Home, Greensburg					
Hengerveld Pontiac Girl Echo 1311998	RH	5-28-25	11y153d	196,040	6,563.0**
Golden Age June Segis, 1108825	RH	12-1-25	11y- 25d	168,725	5,672.2**
Polk State School, Polk					
Mead Jannek Korndyke Dean 4th 1122281	RH	1-27-26	11y-303d	192,676	6,201.3*
Melina Jannek Segis 4th, 1042095	RH	11-24-24	11y-227d	160,993	5,742.7**
Jenny Wren Creater, 1208521	RH	3-5-27	10y-312d	155,985	5,306.7*
J. H. Lear, Carlisle, R. D. 5					
Pineland Ona Segis, 1163300	RH	5-23-26	11y	174,542	6,074.5*
Quay McMillen, Clymer					
Mae	½J½H	2-2-26	11y-307d	99,624	5,987.7*
A. J. Bullers and Son, Brookville					
Leeda Elaine of Hazen, 192304	RG	4-15-25	11y-300d	105,374	5,986.5*
Letty Elda of Hazen, 245119	RG	12-8-27	9y-155d	103,442	5,443.0*
Western Penitentiary, Bellefonte					
Valdessa Piebe Aaggie, 1311724	RH	3-16-28	10y-104d	171,507	5,973.7*
719	GrH	6-7-27	10y-125d	154,317	5,785.7**
Artis Maida Loyalsock Jannek 1311720	RH	2-7-28	9y-158d	143,825	5,002.4*
J. Raymond Arnold, Hellam					
Va.—Mandy, 1306	GG	1925	13y	132,550	5,714.4
Pennsylvania Industrial School, Huntingdon					
P.I.R. Meta Jewel 1200621	RH	3-27-27	9y-359d	161,949	5,668.7*
S. O. Snedeker, Waymart, R. 1					
Rose #23-B-3083	GrJ	3-8-24	11y-275d	103,448	5,525.5**
Warren State Hospital, Warren					
Conewango A. K. L. Pride, 1103738	RH	12-8-25	11y-233d	168,949	5,445.5*

Cow's Name and Number	Breed	Born	Yrs. on Test	Milk	Butterfat
Wm M. High, Phoenixville					
Myretta DeKol Pontiac Waldorf	RH	11-7-22	13y- 75d	156,611	5,348.1**
Indiana County Home, Indiana					
Kimwar Isabelle Pauline	RH	6-12-27	9y-273d	184,720	5,343.9*
J. W. Burket & Son, Tyrone					
Lady II	GrG	1925	11y-304d	115,261	5,227.1*
E. C. Ludt, Carlisle, R. 5					
Burke Pontiac Donsaskia, 1130957	RH	10-21-25	11y	129,821	5,206.4*
G. G. McDowell, Grove City					
Fanny Hortense	RJ	10-22-28	10y	106,464	5,205.3*
Major Hoods Minnie, 700047	RJ	10-30-25	10y-159d	90,131	5,087.0**
L. A. Zimmerman, Lehighton, R. 2					
Spinker Pietertje Lady 2nd 1163448	RH	2-20-27	8y-204d	148,429	5,180.0*
Warren L. Eby, Gordonville, R. 1					
Breezy Glen Coley Korndyke De Kol, 1054385	RH	9-23-25	12-y170d	152,926	5,175.8**
Riveredge Farms, Reading					
Cresent Ultra Pride, 295690	RG	6-25-29	8y-123d	89,656	5,142.4*
Miles C. Bagshaw & Son, Hollidaysburg					
Pauline J, 18940	R:BrS	5-12-23	14y	128,146	5,129.8*
Russel Erk, Prompton					
Ardmores Option Tessa, 785914	RJ	4-17-27	11y-242d	93,493	5,129.2*
A. D. Prutsman, Millerton					
Airclife Ona Hengerveld, 1324135	RH	2-10-26	11y	145,078	5,121.0*
Wm. W. McCombs, Mahomington					
Torments True Lass, 638278	RJ	12-30-23	14y-198d	90,103	5,105.7*
Wernersville State Hospital, Wernersville					
No. 227	GrH	11-8-24	10y-298d	141,919	5,089.6*
Joseph S. Briggs, Yardley					
Spring Run Dolly	RG	2-12-23	12y- 17d	107,862	5,085.0*
Flying Hill Farm, Reading					
Flying Hill Tillie, 297452	RG	12-11-29	8y	112,605	5,062.7*
Max Frey, Ottsville					
Compton's Oxford Expectation, 65690	RJ	9-30-24	13y- 54d	105,905	5,056.4*
Lauxmont Farm, Wrightsville					
Colantha Rose Mooie	RH	6-15-31	6y-210d	120,733	5,044.1*
H. K. McCullough, Newville, R. 1					
McCullough's Beauty 2nd, 297335	RG	9-7-27	10y	103,880	5,040.9*

CALF MATS KEEP CALVES CLEAN



Calf Mats Make Any Floor Safer, Whether of Wood, Concrete or Dirt. Avoid Respiratory Disease Hazard by Keeping Your Calves Warm and Dry.

These convenient floor units are carried in stock 4″, 6″, 8″, 10″ and 12″ wide and 4′-0″ and 6′-0″ long. No extra charge for cutting to special lengths. They are about 3½″ high, are hot dip galvanized and the 4′-0″ mats weigh about 11 pounds each.

Just lay them on the floor, they do not require fastening. Use regular bedding on top of them. Thousands are now in use. Price—4′-0″ units, $1.10 each; 6′-0″ units, $1.65 each, F.O.B. Beech Bottom, W. Va.

THE CONSOLIDATED EXPANDED METAL CO'S

WHEELING, W. VA,

Dairy Cow Life Time Production Records

3000 POUNDS BUTTER FAT AND OVER

During 1940 the Pennsylvania Dairymen's Association awarded blue and gold seal Meritorious Certificates to owners of cows producting 3000 lbs. of butterfat and over in Dairy Herd Improvement Association.

These cows are listed below by counties giving their name, etc.:

*—Still Producing **—Final Record, Dead, ***—Sold for Breeding

ADAMS COUNTY

Adams County D. H. I. A., Year Ending June 30, 1940

Paul R. Kline, Tester, R.D. 1, New Oxford

Cow's Name and Number	Breed	Born	Yrs. on Test	Milk	Butterfat
Mrs. Rose Murren, Hanover #4					
Floss Pa. 45028L	GrG	1922	13y	87,844	3,823.0*
Lady Witkop Model, 4614	RH	1926	10y-175d	109,079	3,534.7**

ALLEGHENY COUNTY

Alfred Shingledecker, Tester, Imperial, Pa.

Craola Farms, Inc., Imperial, Pa.					
Staunton Piebe Jewel, 1219799	RH	2-3-27	10y-192d	108,137	4,772.2*
Staunton Segis Piebe Wayne, 1219800	RH	2-17-27	8y-263d	105,741	3,994.0*
Dundee Farm, Sewickley, Pa.					
Dundee Alice, 323069	RG	8-6-30	7y-207d	89,519	4,671.4*
Allegheny County Home, Woodville, Pa.					
Fayne Hengerveld, Devries, 1303368	RH	9-26-28	9y-140d	139,988	4,526.2*
Laura Hengerweld Pontiac Lass 1489044	RH	4-19-30	7y- 34d	126,908	4,119.7*
Mildred Sylvia Fayne, 1392293	RH	11-7-29	8y-137d	103,850	3,772.0*
Sylvia Colantha Julip, 1392292	RH	11-24-29	8y-137d	104,583	3,572.5*
Bertha Netherland Schuling 1619019	RH	9-26-29	8y- 14d	76,431	3,092.1**
Hengerveld Sylvia Fayne, 1622337	RH	10-21-32	5y-173d	74,165	3,020.4*
Fairacres Farm, Sewickley, Pa.					
Fairacres Estella, 373409	RG	7-26-30	7y-225d	92,349	4,211.9*
Fairacres Nancy Carrol, 388898	RG	4-6-31	6y-356d	55,042	3,149.0*
Allegheny County Workhouse, Blawnox, Pa.					
185	PJ	6-7-29	8y-101d	73,963	3,918.1*
200	PJ	4-10-30	8y-109d	62,595	3,592.9*
193	PJ	3-4-30	8y- 77d	55,462	3,040.2*
218	PJ	9-12-31	6y-120d	49,348	3,006.2*
Guy A. McWreath, McDonald, Pa.					
Nina Sciota DeKol Korndyke, 1248657	RH	10-8-27	9y- 98d	104,812	3,818.1*
John Bamford, Midway, Pa.					
Owl Int' Progreee Bluebell, 1042518	RJ	2-22-31	7y-198d	58,307	3,261.4*
Owl Int' Dorothea, 92805 2	RJ	12-13-30	7y-154d	65,746	3,214.9*
J. H. Wilson & Sons, Clinton, Pa.					
Colantha Fayne Pontiac Bonheur, 1248127	RH	9-17-27	7y- 87d	97,156	3,082.0**

Elizabeth D. H. I. A., Year Ending June 30, 1940

Richard Hayden, Tester, Uniontown, Pa.

Cow's Name and Number	Breed	Born	Yrs. on Test	Milk	Butterfat
Frank McKinney, Elizabeth, Pa.					
Creator Prilly Geraldine	RH	10-15-29	8y- 94d	117,913	3,739.0

ARMSTRONG COUNTY

Armstrong D. H. I. A., Year Ending July 31, 1940

Robert Damon and Henry E. Miller, Testers, Kittanning, Pa.

J. M. Patterson, Apollo, Pa., Star Route					
Bill No. 2 (Barn Name)	Mixed	4-7-28	8y-293d	98,565	3,714.2*
Koenig Brothers, Tarentum, Pa.					
Cordessa Piebe Bonheur, 1404114	RH	10-15-29	7y-222d	102,624	3,418.2***
Ellenvale Skylark Chloe Fobes, 1128654	RH	1-4-26	5y-352d	91,598	3,201.6**

BEDFORD COUNTY

Bedford County No. 1 D. H. I. A, Year Ending Nov. 30, 1940

Norbert Gritsmaker, Tester, Bedford, Pa., R.D. 4

Betsy of Riverdale	RG	7-15-27	10y-229d	84,003	4,291.7*

BERKS COUNTY

Central Berks D. H. I. A., Year Ending Nov. 30, 1940

Nathan Hoppes, Tester, West Leesport, Pa.

James W. Phillips, Centerport					
Stella	GrH	1925	11y	109,399	4,193.9*
Martin Wolfskill, Bernville					
Blimmie	GrH	1928	9y-214d	122,935	4,171.7*
Betty	GrH	1931	8y-305d	96,553	3,470.8**

Northern Berks D. H. I. A., Year Ending June 30, 1940

John T. Pence, Tester

David R. Moll, Hamburg, Pa.					
?	GrH	10-8-26	9y-274d	86,158	3,042.6***
?	GrH	?-?-29	6y-181d	103,419	3,544.5*
Walter Binkley, Lititz, Pa.					
Maple Lawn's Anna Belle, 278319	RG	12-1-26	8y	62,718	3,134.3

Western Berks D. H. I. A., Year Ending Aug. 31, 1940

Woodrow A. Schlegel, Tester, Court House, Reading

Riveredge Farms, Reading, R. 2, Pa.					
Cresent Ultra Pride, 295960	RG	6-25-29	8y-123d	89,656	5,142.4*
Mary Ann of Mapletree, 157789	RG	7-28-23	9y-293d	98,401	4,316.5*
Lady Dorman of Riveredge 269303	RG	10-30-28	8y-123d	81,497	4,231.5*
Foxburg's Neater's Dipper, 323049	RG	4-14-30	7y-220d	74,570	4,198.7*
Cresent Pride's Patient Clare, 359380	RG	3-5-32	6y-130d	73,722	3,477.8*
Buttercup of Riveredge, 128521	RG	6-27-21	6y-109d	62,310	3,048.7**
Wernersville State Hospital, Wernersville					
No. 227	GrH	11-8-24	10y-298d	141,919	5,098.6*
No. 256	GrH	4-7-26	10y-290d	138,223	4,716.8*
No. 306	GrH	6-14-20	9y-142d	107,015	3,940.9*
No. 386	GrH	11-23-31	6y-191d	95,313	3,446.5*
No. 223	GrH	8-1-24	11y	106,884	3,396.2*
No. 369	GrH	3-9-31	7y-169d	87,474	3,151.0*
No. 359	GrH	12-18-30	5y-312d	91,010	3,060.2*

Cow's Name and Number	Breed	Born	Yrs. on Test	Milk	Butterfat
Flying Hill Farms, Reading, R. 1					
Flying Hill Tillie, 297452	RG	12-11-29	8y	112,605	5,062.7*
Ruth of Flying Hill, 225616	RG	10-20-26	8y- 92d	87,124	4,506.9*
Victory of Flying Hill, 244151	RG	7-28-27	8y	82,362	4,229.8*
Flying Hill Lucinda, 329890	RG	3-1-31	6y-346d	76,361	4,083.1*
Nonpareils Lillian of Breidablik, 225339	RG	3-16-27	8y-153d	71,968	3,968.7*
Bonnibell of Flying Hill, 262437	RG	4-8-28	8y	72,322	3,910.8*
Flying Hill Clementine, 327466	RG	6-29-30	7y-289d	73,007	3,803.9*
Flying Hill Elegance, 316884	RG	3-29-30	7y-266d	68,340	3,785.0**
Flying Hill Lustre, 328122	RG	1-8-31	7y- 94d	64,816	3,595.0*
Hester of Flying Hill, 225617	RG	1-28-27	8y	65,368	3,488.5*
Bethany Orphans Home, Womelsdorf					
Rose	GrH	4-11-27	11y	138,260	4,159.0*
Belle Alto Farms, Wernersville					
Oldo Home's May, 225630	RG	11-18-26	10y-292d	89,973	4,104.9*
Laurel Locks Light, 285802	RG	10-17-26	10y	84,513	3,615.2*
Lord's Hope	GrG	9-3-29	7y-335d	78,284	3,448.7*
Laurel Locks Lucinda, 375042	RG	7-11-30	6y-334d	61,077	3,087.1*
Dauphin's Queen of Riviera, 282033	RG	5-12-29	7y-274d	61,600	3,022.1*
Lonicera Farms, Douglassville					
Lizzie 3rd	GrG	4-19-29	8y	77,907	3,733.1*
Lonicera Agnes	RG	2-20-29	7y-305d	74,824	3,309.9*

BLAIR COUNTY

Blair County D. H. I. A., Year Ending May 31, 1940

Kenneth Sollenberger, Tester, Curryville

J. W. Burket & Son, Tyrone					
Lady II	GrG	1925	11y-304d	115.261	5,227.1**
Laddies Elizabeth, 241111	RG	5-12-27	10y-110d	96,764	4,765.1*
Gay Heads Queen Patrica, 355641	RG	8-10-30	6y- 76d	55,480	3,168.0*
Miles C. Bagshaw & Son, Hollidaysburg					
Pauline J., 18940	RSw	5-12-23	14y	128,146	5,129.8*
Lill	Gr:Sw	?	9y- 90d	75,114	3,053.5*
D. A. Morrow, Tyrone, R.D.					
Creamcup of Hillside, 274092	RG	12-21-28	8y-286d	99,929	4,841.6*
Laddies Betsy of Hillside, 258247	RG	2-3-28	8y-290d	85,175	4,126.5*
Dukes Puella of Hillside, 162254	RG	7-22-30	7y- 35d	64,587	3,095.7*
J. M. Delozier, Hollidaysburg, R.D.					
Willow Dale Belle	R:Sw	8-16-27	13y	118,505	4,775.3*
Trixie S., 24604	RSw	3-19-27	10y-265d	97,469	4,137.7*
Preston Smith-Martinsburg, R.D.					
Rose	GH	?	11y-128d	107,372	4,316.7*
Colantha Konigen Star, 1495454	RH	9-11-30	8y	90,858	3,307.2*
G. Clair Smith, Martinsburg, R.D.					
Netherland Betsy Segis Konigen, 1154254	RH	4-10-25	12y- 41d	108,999	3,779.0**
Segis Konigen Star, 1673136	RH	7-14-30	6y-263d	78,405	3,079.3*
Emory Sollenberger, Williamsburg, R.D.					
Korndyke Creamelle Bettie	RH	12-17-29	6y	85,573	3,034.7*

BRADFORD COUNTY

Canton D. H. I. A., Year Ending Nov. 30, 1940

Dean Morgan, Tester, Canton

Cow's Name and Number	Breed	Born	Yrs. on Test	Milk	Butterfat
Herd of R. G. Williams & Sons, Canton					
Willowhurst Mable Maid Alcartra 4th, 1508459	RH	8-6-30	8y- 96d	112,623	4,168.2*
Willowhurst Mutual Berylwood, 1618425	RH	5-26-32	7y- 65d	91,601	3,055.6*
Herd of Elwin Baldwin, Canton					
Colantha Johanna Tidy Nick, 1384013	RH	12-26-28	9y-148d	108,576	3,806.2**
Herd of Clarence Spencer, Canton					
Priscilla	GH	1-17-29	8y-243d	99,821	3,712.6*
Spot H, 71870	..	..	7y-267d	112,259	3,707.9*
Herd of R. H. Fleming, Troy, Pa.					
Elm Brook Leonora Sesame, 1257766	RH	5-29-28	9y-190d	110,298	3,633.9***
Herd of Philip Isaacs, Canton, Pa.					
Dekol Korndyke Holingen (twin), 1477132	RH	11-4-29	8y-217d	91,020	3,617.1*
Herd of T. M. Watts, Canton, Pa.					
Sheshequin Piebe Aggie, 1404255	RH	4-24-29	9y- 58d	86,182	3,452.3**
Topsy, 23-E7128	GH	7-22-31	7y-213d	73,749	3,418.7*
Herd of J. C. Fleming & Son, Granv. Summit					
Mountain View Myrtle	RG	9-10-28	7y- 51d	62,876	3,244.5**

Laurel Hill D. H. I. A., Year Ending Nov. 30, 1940

Leon Musser, Tester, Towanda, Pa.

Herd of Leland R. Palmer, Ulster					
Monview Korndyke Belle, 1336094	RH	6-16-28	9y-283d	78,195	3,451.2*

Ulster D. H. I. A., Year Ending Aug. 31, 1940

Arthur Young, Tester, Ulster, Pa.

Herd of C. S. Chaffee, Ulster, Pa.					
Pruynedale Aaggie Korndyke, 1187672	RH	1-15-27	10y-345d	109,584	4,216.9**
Herd of G. E. Harris, Milan, Pa.					
Pogis 3rd's Jonquil Cora, 864358	RJ	9-25-28	8y	60,215	4,065.1*
Pogis 3rd's Glorious Peg, 864359	RJ	10-1-28	8y-303d	70,025	3,903.8*
Pogis 3rd's Irene Sayda, 911112	RJ	9-15-29	8y	61,068	3,498.1*
Herd of C. J. Bresee, Ulster, Pa.					
Sayda's Pedro's Lilac 2nd, 818510	RJ	11-18-27	10y	76,919	4,063.5*
Herd of H. G. vonWolffradt, Athens, Pa.					
Sybil Sultana Belly, 942640	RJ	8-18-29	8y-106d	66,376	3,476.4**
Herd of I. P. Chaffee, Towanda, Pa.					
Son's Lily Sophie, 908358	RJ	10-8-29	8y-335d	62,836	3,615.4*
Son's Lily Bessie, 928476	RJ	8-26-30	7y-205d	57,949	3,174.8*

BUCKS COUNTY

Bucks No. 1, Year Ending Feb. 28, 1940

James Howes, Tester, Wrightstown

J. P. Canby and Son, Hulmeville					
Juanita Ormsby Julia, 1070197	RH	10-19-25	9y- 21d	148,870	4,935.0*
Lois Lera Ormsby, 1067863	RH	12-29-25	10y	133,371	4,748.1*
Anice Ormsby Aline, 1067861	RH	10-27-25	9y- 61d	126,980	4,452.1**
Greenwood Judith Ormsby, 1429465	RH	1-24-29	8y	120,734	4,229.4**

Cow's Name and Number	Breed	Born	Yrs. on Test	Milk	Butterfat
Judy Korndyke Cloverton, 775603	RH	11-27-21	7y-337d	119,738	4,416.2**
Amelia Alberta Ormsby, 1190492	RH	1-20-27	7y	115,362	4,028.2*
Alvin Worthington, Newtown					
Kitty	GG	1925	9y-334d	99,423	4,431.6*
Amos Satterthwaite, Yardley					
Herosa Colantha Segis Ormsby, 1275266	RH	10-28-27	10y-146d	118,157	4,037.4*
Herosa Prilly Ormsby, 1340504	RH	10-8-28	8y-231d	105,867	3,736.9*
Milton Satterthwaite, Woodside					
Weonland Betty Ormsby Sweet, 1525888	RH	10-22-28	8y-242d	114,533	3,909.1*
Beauty	RH		8y-106d	104,506	3,619.3*
Dessa	RH		9y-142d	106,454	3,630.4**
Weonland Maggie Ormsby, 1680145	RH		8y	99,775	3,267.4
Willard Wright, Yardley					
Jewel	GH	9-15-28	8y-154d	113,573	3,889.1**
L. P. Satterthwaite, Newtown					
Newtown Lady Mary, 1192739	RH	8-9-27	10y-105d	168,696	3,857.2**

Bucks No 2, Year Ending Feb. 29, 1940

Earl Baum, Tester, North Wales, Pa.

Max Frey, Ottsville					
Comptom's Oxford Expectation, 65690	RJ	9-30-24	13-y 54d	105,905	5,056.4*
Comptom's Penn State Fannie, 795528	RJ	1-31-28	10y- 39d	87,066	4,159.8*
J. Arthur Shelly, Fountainville					
Lily	GG	1927	10y-151d	91,132	4,397.8*
Dolly	GG		9y-273d	81,585	4,134.2**
Pine	GG		10y- 91d	70,469	3,405.7**
Dew	GG		10y- 61d	82,441	3,281.4**
Homer Wentz, Quakertown					
Veeman Ormsby Snowball, 15965	RH	3-23-29	8y-187d	101,002	3,588.7*

Bucks No. 4, Year Ending Feb. 29, 1940

C. Robert Jones, Tester, Wycombe

M. Hubert Walton, New Hope					
Reba	GG	3-31-25	12y-184d	107,645	4,990.1**
Wilmer A. Twining, Wycombe					
Lingohocken Princess Jo, 1375516	RH	8-16-29	8y-142d	95,157	3,296.7*
Williams and Harley, New Hope					
Nigger	GG	10-18-28	7y	65,896	3,283.3*

Bucks No. 5, Year Ending Feb. 29, 1940

Alfred C. Bleiler, Tester, c/o E. F. Stewart, Colmar, Pa.

Joseph S. Briggs, Yardley					
Spring Run Dolly	RG	2-12-23	12y- 17d	107,862	5,085.0*
Phillip W. Smith, New Hope					
Miss Gay Glenwood of Evergreen, 177449	RG	9-20-24	11y-122d	87,570	4,100.1***
Falechia of Evergreen, 321851	RG	3-20-29	8y-215d	74,975	3,748.0***
Maybelle Evergreen Glenwood, 365417	RG	3-20-30	7y-111d	66,858	3,146.1***
Milly Greenwood Glen, 375066	RG	11-19-30	6y-269d	72,096	3,096.1**

Cow's Name and Number	Breed	Born	Yrs. on Test	Milk	Butterfat
C. H. Smith and Son, Wycombe					
Robin Runs Helga Lotta, 275597	RG	10-7-28	8y-346d	67,970	4,055.7*
Robin Runs Ida Lotta, 305728	RG	11-9-29	7y-340d	76,505	3,810.2*
Robin Runs Kala Lotta, 344329	RG	3-22-31	6y-230d	54,479	3,058.6*
Willis M. Hunsberger, Plumsteadville					
Belle Crest Ormsby Grace, 1466227	RH	9-30-30	6y-170d	99,256	3,831.8*
Belle Crest Ormsby Ruby, 1530128	RH	9-3-31	6y- 37d	91,903	3,691.0*
Belle Crest Ormsby Bess, 1530125	RH	3-23-31	6y-135d	89,816	3,377.3**
J. Howard Cliffee, Ivyland					
Greenfield Matilda, 347729	RG	8-27-29	8y-165d	76,391	3,794.0*
Greenfield Marie,	RG	7-14-28	9y	75,574	3,606.9*
Greenfield Dborah, 347728	RG	6-20-29	8y-150d	63,639	3,567.0*
E. F. Stewart, Colmar					
Lucy of Pinebrook, 312994	RG	1-29-30	8y	70,661	3,609.2*
Lady Mary of Pinebrook, 352307	RG	10-5-31	7y- 49d	68,614	3,142.9*
T. H. Kleinhoff, Doylestown					
Tinnie of Pinebrook, 293616	RG	6-25-29	7y-209d	67,955	3,133.7*

BUTLER COUNTY

Northern Butler D. H. I. A., Year Ending June 30, 1940

J. Dale McClymonds, Tester, R.D., Portersville, Pa.

Lee Critchlow, R.D. 1, Harrisville, Pa.					
Queen's Queen Marie, 819459	RJ	11-28-27	10y- 13d	83,547	4,509.1**
Queen's Fauvic's May, 875266	RJ	10-2-28	9y-131d	71,699	4,373.1**
C. A. Wachsmuth, Star Route, Butler, Pa.					
Nellie's Cora Gay, 260378	RG	6-21-28	8y-138d	85,920	4,213.9*
King's Jennybelle, 271105	RG	11-8-28	9y-169d	80,942	3,937.0*
Hugh Fergus, R.D., Slippery Rock, Pa.					
Dinah	GrG	7-31-28	8y-320d	92,818	4,097.5*

Southern Butler D. H. I. A., Year Ending June 30, 1940

Howard McMillen, Tester, R.D. 1, Home, Pa.

C. R. Hartzell, R.D. 6, Butler, Pa.					
Pearl's Polly Hill, 147766	RG	3-6-23	8y-184d	65,608	3,016.0*

Central Butler D. H. I. A., Year Ending June 30, 1940

Frank B. Wright, Tester, R.D. 1, Edinburg, Pa.

J. C. Beeles & Sons, R.D. 1, Harmony, Pa.					
Breezyway Laura Getati, 1435845	RH	9-13-29	8y-238d	103,071	3,342.5**

CAMBRIA COUNTY

Central Pa. Guernsey Br. D. H. I. A., Year Ending Feb. 29, 1940

Robert C. Lydick, Tester, Clymer, Pa.

Herd of W. Griffith Estate, Ebensburg, Pa.					
Nobles Beauty of Ebensburg	RG	6-23-28	9y- 95d	80,081	3,856.8*
Beauty's Cathern of Ebensburg, 280345	RG	3-11-29	8y-167d	62,162	3,497.3*

CENTRE COUNTY

Centre Co. No. 1 D. H. I. A., Year Ending July 31, 1940

Thomas A. Fox, Tester, Mill Hall, Pa.

Cow's Name and Number	Breed	Born	Yrs. on Test	Milk	Butterfat
Western Penitentiary, Bellefonte, Pa.					
Valdessa Piebe Aaggie, 1311724	RH	3-16-28	10y-104d	171,507	5,973.7*
No. 719	GrH	6-7-27	10-y125d	154,317	5,785.7**
Artis Maida Loyalsock Jannek, 1311720	RH	2-7-28	9y-158d	143,825	5,002.4*
Artis Maida Jannek, 1454366	RH	4-6-28	8y-178d	142,141	4,872.1**
No. 853	GrH	2-8-29	8y-226d	153,310	4,871.0**
Nittanyvale Korndyke Segis, 1436965	RH	3-2-30	7y-191d	133,590	4,761.5*
No. 959	GrH	3-10-30	7y-100d	151,789	4,735.4**
No. 879	GrH	6-23-29	8y-221d	123,595	4,734.9**
Blanche Clothilde Jannek, 1488383	RH	12-3-28	8y- 83d	129,773	4,627.1
No. 1096	GrH	10-25-31	5y-162d	107,420	3,623.4*
No. 1141	GrH	3-19-32	5y-114d	96,589	3,480.0*
No. 1110	GrH	1-12-32	5y-189d	100,277	3,304.7*
No. 1054	GrH	4-1-31	5y-337d	86,864	3,271.7**
Aaggie Nittanyvale Loyalsock, 1488388		1-15-31	6y- 35d	100,026	3,190.0**
Nittanyvale Maida Artis, 1619746	RH	11-22-32	4y-245d	94,260	3,182.5*
No. 1198	GrH	12-18-32	4y-247d	90,347	3,126.6*
Nittanyvale Aagie Piebe, 1614239	RH	9-9-32	4y-259d	92,500	3,115.7*
No. 1146	GrH	3-27-32	5y-123d	91,982	3,025.5*
T. C. Kryder, Mill Hall, Pa.					
Mammoth Spring Velma Hartog	RH	11-30-27	10y-178d	116,790	4,012.8*
Crescent Spring Daisy Alice, 1381488	RH	10-30-29	8y-190d	112,946	3,864.4*
Crescent Spring Dutchess	RH	2-26-31	7y-290d	86,237	3,089.7***
George E. Weight, Bellefonte, Pa.					
Whity No. 2	GrH	6-6-27	8y-335d	96,694	3,628.2**
Dorothy	GrH	7-6-30	8y	95,744	3,477.4*
Loudon Kyle, Mackeyville, Pa.					
Nit-a-nee Lady Piebe, 1261578	RH	2-28-28	8y- 75d	103,608	3,483.6*
Nit-a-nee Beauty Piebe, 1300542	RH	5-4-28	7y-274d	87,638	3,131.9**
H. L. Knecht, Mill Hall, Pa.					
Neshannock Joe Ella, 1479752	RH	1-19-31	7y	86,598	3,163.3*
Fox Brothers, Mill Hall, Pa.					
Maplehurst Ormsby Lilith, 1398144	RH	5-13-29	8y-285d	84,610	3,082.7**

Centre Co. No. 2 D. H. I. A., Year Ending July 31, 1940

Ira Whiteman, Tester, Oak Hall Station, Pa.

F. E. MacIntire, Rebersburg, Pa.					
Kenwood Ormsby Korndyke Lipkje, 1491862	H	11-8-30	7y-274d	103,534	3,511.6*

CHESTER COUNTY

Chester Valley D. H. I. A., Year Ending March 31, 1940

Warren H. Shingle, Tester, Downingtown, Pa.

Wm. M. Lloyd, Downingtown, Pa.					
Valley Brook Mary Louise, 706119	RJ	5-10-36	11y-132d	76,489	4,624.7*
Valley Brook's Fauvic's Maggie, 821664	RJ	12-28-26	11y-230d	81,413	3,715.0*
Valley Brook's Prince Anna, 855543	RJ	4-8-29	9y- 97d	64,030	3,193.2*

Cow's Name and Number	Breed	Born	Yrs. on Test	Milk	Butterfat
Mrs. John Kent Kane, Glen Loch, Pa.					
Shirleys Moonbeam, 288846	RG	4-11-29	8y-122d	89,018	4,243.9*
Frank A. Keen, West Chester, Pa.					
Blue Rock Katherine, 1383338	RH	1-4-29	8y-334d	102,717	3,662.1*
Blue Rock Hattieson Yucca, 1471753	RH	10-25-30	7y- 96d	81,463	3,050.0*
Blue Rock, Valdessa	RH	1-9-29	7y-344d	91,068	3,010.5*
Jos. A. Bicking Estate, Whitford, Pa.					
No. 8	GG		6y	67,196	3,125.1*

Coventry C. T. A., Year Ending Dec. 31, 1940

James Bickel, Tester, Pottstown, Pa.

Wm. M. High, Phoenixville, Pa.					
Myretta DeKol Pontiac Waldorf	RH	11-7-22	13y- 75d	156,611	5,348.1**
Sunrise Johanna	RH	3-7-22	7y- 8d	113,206	3,792.6**

Oxford Ass. Year Ending Nov. 30, 1940

William Bleiler, Tester, Oxford, Pa.

Everett Holt, Lincoln University					
Sayda's Sophie G., 87893	RJ	1-5-29	10y- 72d	82,089	4,649.7*
Nancy	GJ	7-23-29	9y-235d	68,070	3,061.9*
Conner & Killinger, Avondale					
Miss Louise, 805556	RJ	8-19-26	11y-334d	79,311	4,581.5*
Bright Bell, 1000725	RJ	4-20-31	7y-313d	61,130	3,373.6*
Thomas Sloan, Oxford					
No. 15	PH	12-16-26	11y-130d	110,314	4,433.9**
No. 24A	H:J Mixed		6y-206d	75,757	3,145.0
D. Lester Gallagher, Peach Bottom					
Hope of Penn View, 343871	RG	12-15-30	7y-334d	79,176	3,957.3*
Jane E. of Penn View, 267592	RG	3-23-28	8y-324d	80,595	3,836.8**
Pauline of Penn View	RG	10-24-30	8y- 31d	58,677	3,129.7*
H. S. Gatchell, Peach Bottom					
Buttercup G., 951520	RJ	10-6-30	8y- 14d	69,462	3,942.9*
Lassie Lady Moon G., 923487	RJ	1-16-30	8y-299d	70,191	3,921.4*
Dell's Daffy G., 916-559	RJ	11-23-29	9y- 28d	70,409	3,895.2*
Lordena's Dell G., 708983	RJ	11-5-25	10y-214d	66,007	4,014.1**
John Dickey's Farm, Oxford					
Esther	GJ	8-1-29	9y-104d	71,335	3,739.0*
Greenwood Pet, 1743659	RH	7-30-30	8y- 69d	11,191	3,358.6*
Cute Ears	PJ		9y-290d	74,542	3,223.5*
Mrs. Louise Wade, Chatham					
No. 24	GG		9y-141d	69,961	3,622.1*
No. 52	GJ		9y-334d	64,394	3,531.2*
No. 37	GJ		9y- 45d	70,588	3,448.0*
No. 10	GH		7y-262d	94,831	3,420.2*
No. 26	GG		7y-356d	74,329	3,278.1*
No. 5	GH		8y-151d	87,842	3,271.3*
No. 27	GH		7y-224d	77,883	3,155.4*
No. 3	GG		8y-295d	62,054	3,034.8**
Longwood Farms, Kennett Square					
Publican Clare of Longwood, 265318	RG	11-5-28	8y-334d	80,409	3,593.1*
Longwood Frances, 330005	RG	1-1-31	7y-236d	69,858	3,046.9*
H. L. Stubbs, Oxford					
No. 21	Mix. H:G		7y- 61d	90,673	3,312.6*
Edward H. Goodwin, West Grove					
No. 10	PJ		6y-334d	57,985	3,107.6*
Dr. Edward A. Webb, Avondale					
Amelia	GG	6-3-28	6y-342d	63,627	3,009.2*

West Chester D. H. I. A., Year Ending Nov. 30, 1940

Shannon Pepple, Tester, West Chester, Pa.

Cow's Name and Number	Breed	Born	Yrs. on Test	Milk	Butterfat
Dunwoody Home Farm, Newtown Square					
Dunwoody Miss Hester, 114709	RA	11-6-27	10y-110d	109,642	4,510.0*
Dunwoody Spottie, 114710	RA	12-1-27	8y-238d	93,315	3,701.7***
Westtown School Farm, Westtown					
No. 22	GH	Sept. 28	10y-255d	124,424	4,474.5*
Liseter Farm, Newtown Square					
Africander's Bella of Liseter, 434403	RG	2-28-33	5y-217d	56,159	3,261.9*
Marshall L. Jones & Sons, Westtown					
Westtown Onyx DeKolKlaner, 1397825	RH	10-28-26	8y-334d	93,504	3,196.9*
Harvey N. Williams, Coatesville					
No. 29	GrJ	July 32	7y-184d	63,865	3,131.5*

CLARION COUNTY

First Clarion County D. H. I. A., Year Ending July 31, 1940

Robert Krieger & Casper Kohler, Testers, Clarion, Pa.

J. W. M. Gruber & Son, Shippenville					
Dolly's Peach Bud of Sunset View, 215417	RG	5-9-26	11y-161d	99,161	4,868.9*
White Light's Dolly, 311309	RG	1-1-30	7y-355d	75,190	3,446.4*
F. L. Stahlman, New Bethlehem, R.D.					
Reservation Alma, 215122	RG	5-4-26	12y	70,174	4,283.2*
H. C. Craig, Rimersburg, R. 1					
Milkman's Gay Duchess of Overlook Farm, 241690	RG	6-3-27	8y-355d	68,442	3,968.6*
Wm. & C. A. McCauley, New Bethlehem, R.D.					
Leatherwood Ormsby Fidel, 1392743	RH	11-17-29	7y-	75,598	3,247.3*
Ray H. Shook, Sligo, R.D.					
Milkmaid of Oak Grove, 302862	RG	10-2-29	8y	67,684	3,546.2*
C. L. Risher, East Brady					
BCO Belle Birmingham Jan, 1377733	RH	12-10-27	10y- 39d	93,515	3,324.9*
Vibrant Grace DeKol, 137973	RH	7-19-28	10y	84,709	3,232.3*
Parker View Farm, Parkers Landing					
Four Maples Pearl's Dot, 276222	RG	11-1-26	6y-304d	51,784	3,004.7*

CLEARFIELD COUNTY

Clearfield County D. H. I. A., Year Ending Dec. 31, 1940

Loren Stephens, Tester, Agr. Ext. Association, Clearfield, Pa.

S. J. Zimka, Clearfield, Pa.					
Bell—Eartag, 55780S	GrJ	1928	8y	73,537	4,565.7*
Clearfield County Home, Clearfield, Pa.					
Rosie	GH	1925	12y-335d	106,937	4,292.7*
Gentle	GrH	1927	11y- 39d	92,607	3,630.8*
Maurice Shimmel, West Decatur, Pa.					
Lade	GrH	1928	8y- 59d	96,799	4,002.9**
D. K. Mitchell, Jr., Mahaffey, Pa.					
Little Jane	GJ	1929	9y	62,185	3,314.9*
Ten	GJ	1929	9y	48,840	3,141.7*
Option Polly, 969726	RJ	8-23-30	7y-153d	54,052	3,071.1*
S. V. McKee, Westover, Pa.					
Nigger	GG	1929	9y-187d	83,282	3,233.1*

COLUMBIA-LUZERNE COUNTIES

Columbia-Luzerne D. H. I. A., Year Ending Feb. 29, 1940

Clarence C. Keller, Tester, Bloomsburg

Cow's Name and Number	Breed	Born	Yrs. on Test	Milk	Butterfat
Luzerne Co. Institutional District					
Retreat Doris Posch, 1350940	RH	5-4-29	8y	110,866	4,325.4**
Retreat Model Hountje, 1350942	RH	7-15-29	8y	94,909	3,748.9*
Retreat Champion Butter Girl, 1500870	RH	11-28-30	7y	98,979	3,230.1**
J. A. & W. D. Fairchild					
Rivermead Helen, 1295285	RH	11-27-27	9y	116,209	4,273.5*
Rivermead Chief Helen, 1295284	RH	11-21-27	9y	117,724	4,175.4*
Col. Dorrance Reynolds					
Goodleigh Groignet of Bruser 1324648	RG	11-2-30	7y	81,494	3,904.7*
Goodleigh Lucretia Lenore, 304717	RG	3-9-30	7y	76,030	3,359.9*
Goodleigh Green Valley Glen, 328804	RG	12-24-30	6y	53,720	3,038.1*
Danville State Hospital					
23-60120	GrH	1-30-29	8y	100,006	3,564.0*
Clarence R. Hack					
Alma Ivy of Gladedale, 326229	RG	8-4-30	6y	57,557	3,098.3*

CRAWFORD COUNTY

Western Crawford D. H. I. A., Year Ending Feb. 29, 1940

Albert J. Crowl, Tester, Guys Mills, Pa.

Riverside Stock Farm, Cambridge Springs					
Majesty's Velma Jean, 960560	RJ	7-31-31	6y-121d	60,734	3,426.6*
Last Day Gloria, 922980	RJ	7-31-30	7y- 6d	57,829	3,200.9*
Tormentor Kid Molly, 922982	RJ	10-23-30	7y- 6d	54,544	3,086.3*
Joseph Mandle, Conneaut Lake					
Announcer's Edna, 304060	RG	11-9-29	8y-234d	65,115	3,275.2*
J. S. Patton, Hartstown					
Frenestra Hartog DeKol 1596611	RH	8-16-26	7y-250d	87,954	3,198.9*
Michael Molnar, Venango					
Daisy, A-32340	GrJ	4-30-30	6y-328d	54,264	3,132.1*
R. T. Gaylord, Adamsville					
Sunrise Alma Pietje, 1798342	RH	11-30-25	8y	85,226	3,038.4*

Crawford-Venango D. H. I. A., Year Ending July 31, 1940

Harold Rankin, Tester, c/o County Agent's Office, Meadville, Pa.

L. L. Luce, Guys Mills, Pa.					
Golden Cloud's Fern, 752694	RJ	8-27-26	9y-305d	70,383	4,197.2**
Slowest	GrJ	4-3-30	8y	78,503	3,989.6*
Countess Belle You'll Do, 990716	RJ	11-29-30	7y-167d	79,557	3,843.7**
Glow Bird You'll Do, 732516	RJ	4-3-30	8y	67,245	3,515.1*
Harry Whitman, Diamond, R.D.					
Gospel Hill Seven Nine, 809147	RJ	8-13-28	10y	80,461	4,179.0*
D. C. Pettigrew & Son, Guys Mills, R.D. 4					
Blonde Joan of Fairmeade	RJ	3-3-27	9y- 84d	81,254	4,030.9*
Wesley G. Reitze, Meadville, R.D. 5					
May Pontiac Waldorf 2nd, 1726835	RH	4-24-30	8y- 99d	103,279	3,522.9*

Titusville D. H. I. A., Year Ending Nov. 30, 1940

George Simpson, Tester, 345 Mt. Vernon St., Titusville

Cow's Name and Number	Breed	Born	Yrs. on Test	Milk	Butterfat
J. M. Kelly, Titusville, Pa.					
Beauty's Gloria Swanson, 242546	RG	8-23-27	9y- 12d	100,486	4,564.0*
D. N. Burrows, Pleasantville					
Lady Pontiac Segis Belle, 1204022	RH	12-13-26	11y	117,980	4,318.6*
George Hummer, Titusville, R.D. 2					
Blonde's White Sophia, 956516	RJ	11-27-29	8y- 63d	69,476	3,699.5*
Son 11th Gayness, 891674	RJ	4-8-29	9y	65,080	3,483.0*

CUMBERLAND COUNTY

Original D. H. I. A., Year Ending Sept. 14, 1940

Fred M. Naugle, Tester, 501 W. North St., Carlisle, Pa.

Cow's Name and Number	Breed	Born	Yrs. on Test	Milk	Butterfat
Ivo V. Otto, Carlisle, R.D. 6					
B. S. Bonair Hartog, 1085903	RH	3-5-25	13	176,315	6,614.7*
B. S. Helena Segis, 1109030	RH	9-17-25	12	138,441	5,143.9*
B. S. Accrue Beth, 1272519	RH	9-7-27	11	122,391	4,392.6*
J. H. Lear, Carlisle, R.D. 5					
Pineland Ona Segis, 1163300	RH	5-23-26	11	174,542	6,074.5*
Johanna Girl Burke Donsaskia, 1234443	RH	7-11-27	11	118,681	4,588.5*
Flossie Buttercup Pontiac, 1234444	RH	10-21-27	11	125,069	4,532.5*
E. C. Ludt, Carlisle, R.D. 5					
Burke Pontiac Donsaskia, 1130957	RH	10-21-25	11	129,821	5,206.4*
H. K. McCullough, Newville, R.D. 1					
McCullough's Beauty 2nd, 297335	RG	9-7-27	10	103,880	5,040.9*
McCullough's Nellie 2nd, 348448	RG		6	62,724	3,055.6*
Methodist Home for Children, Mechanicsburg, R.D. 3					
B. S. Westover Twinkle, 1501585	RH	8-18-29	8	129,200	4,703.9*
Mark R. Basehore, Mechanicsburg, R.D. 5					
Beauty (tag 51282-1 Pa.)	GG	1928	11	93,074	4,587.4**
Walter A. Eckert, Mechanicsburg, R.D. 5					
Pine Grove Mary Lee, 228845	RG	11-18-26	10	86,388	4,223.2**
Helen (tag 87075-T Pa.)	GG		8	61,032	3,252.6*
Beauty (tag 97651-T Pa.)	GG		7	65,224	3,217.2***
Gracie's Frances, 269226	RG	10-16-28	9	64,787	3,174.5*
Dewdrop of Homestead Farm, 292540	RG	5-21-29	8	65,323	3,164.1*
Albert F. Kost, Carlisle, R.D. 1					
Farmside Pauline Abbekerk, 1296379	RH	4-1-27	10	118,258	4,127.8**
Farmside Prilly Fayne, 1432318	RH	8-15-29	8	110,547	3,727.1*
Farmside Fannie Abbekerk, 1432319	RH	7-20-29	8	94,675	3,292.2*
Farmside Pauline Ormsby, 1506707	RH	10-5-30	7	85,258	3,181.9*
J. Norton Kruger, Carlisle, R.D. 2					
Masonic Home Sallie G, 108558	RA	7-25-27	10	100,754	3,792.8*
G. Weir Strock, Mechanicsburg, R.D. 2					
Josey Westover Ormsby, 26348 HRA	RH	10-1-30	7	107,874	3,721.3*
Abner E. Rider, Mechanicsburg, R.D. 2					
Korndyke Ormsby Fern, 1415083	RH	4-9-29	8	104,008	3,700.7**

Second Cumberland Co. D. H. I. A., Year Ending Sept. 30, 1940

J. Paul Shughart, Tester, Allen, Pa.

Cow's Name and Number	Breed	Born	Yrs. on Test	Milk	Butterfat
Charles C. Hoffer, Carlisle					
Betsy Abbekerk, 1556180	RH	5-4-31	7	99,655	3,333.0*

DAUPHIN COUNTY

Dauphin County D. H. I. A., Year Ending May 31, 1940

Wayne Saufley, Tester, Hummelstown, Pa.

Cow's Name and Number	Breed	Born	Yrs. on Test	Milk	Butterfat
A. H. Erdman & Sons, Elizabethville					
May Fobes Hengerveld Sadie, 1462033	RH	8-30-28	11y- 80d	137,223	4,551.7*
Aaggie Ormsby Perfection Lass	RH	12-21-29	8y	89,025	3,598.7*
Hershey Industrial School, Hershey, Pa.					
Decora Segis Wit, 11895658	RH	10-16-26	9y- 61d	130,615	4,421.1*
Daisy Pontiac Banks, 1500145	RH	1-22-26	7y	124,919	3,991.3*
Sunnybrook Lassie Abbekerk, 1575876	RH	3-8-27	8y- 30d	108,114	3,960.6*
Llenroc Kinigen Pride, 1629466	RH	9-15-27	8y	113,742	3,803.4*
Harrisburg State Hospital, Harrisburg					
Hbg. Grace Princess Ormsby, 1349416	RH	3-15-29	9y	129,900	4,144.0*
Golden Age Queen Ona Segis, 1326523	RH	1-16-29	8y-305d	122,534	3,797.6**

ERIE COUNTY

Erie County D. H. I. A., Year Ending April 30, 1940

Wendell Bauer, Tester, Court House, Erie

Cow's Name and Number	Breed	Born	Yrs. on Test	Milk	Butterfat
Harold Trask, R.D. 1, McKean, Pa.					
47642-W	GrH	6-?-28	9y- 30d	90,201	3,508.4*
Lester Hosbach, R.D. 1, Erie, Pa.					
Lucia Pride Segis Burke, 1223383	RH	11-17-27	9y-179d	97,581	3,278.2*
Alice Burke Pride, 1302391	RH	2-17-28	9y-253d	85,640	3,188.9*
Beatrice Admiral Bess Pride, 1302392	RH	3-10-28	9y-120d	88,976	3,094.6*

FAYETTE COUNTY

Fayette County D. H. I. A., Year Ending May 31, 1940

Richard S. Hayden, Tester, Uniontown, Pa.

Cow's Name and Number	Breed	Born	Yrs. on Test	Milk	Butterfat
No. 19	RH	12-4-30	6y-338d	93,342	3,259.6**

FRANKLIN COUNTY

Southern Franklin D. H. I. A., Year Ending June 30, 1940

R. G. Miller, Tester, Chambersburg, Pa.

Cow's Name and Number	Breed	Born	Yrs. on Test	Milk	Butterfat
James F. Dayhoff, Waynesboro, Pa.					
Red	GrSH	?	9y-344d	89,837	3,774.0
Penn Hall Farm, Chambersburg, Pa.					
Nellie, No. 1928062	RH	1930	8y- 22d	103,898	3,670.6
J. M. Main & Sons, Shippensburg, Pa.					
Letty, No. 825808	RJ	1928	6y	63,301	3,374.1
W. F. Barkdoll, Waynesboro, R.D. 1					
Nig	Mixed	?	7y-242d	64,088	3,333.8

Western Franklin D. H. I. A., Year Ending Aug. 31, 1940

John F. Yocum, Tester, Alexandria, Pa.

Cow's Name and Number	Breed	Born	Yrs. on Test	Milk	Butterfat
J. W. Hoffeditz & Son, Mercersburg, R.D. 1					
Peggy Pa.-49807P	GG	1924	9y- 61d	93,120	3,666.7
Bones Pa.-AE59297	GG	1927	7y-128d	85,410	3,353.5*
John W. Aughinbaugh, Mercersburg, R.D. 2					
Irene Pa.-53988	GG	10-18-29	9y	67,528	3,461.5*
H. S. Arthur, Ft. Loudon					
Vista of Audubon Farm, 187864	RG	3-22-25	8y- 61d	66,186	3,373.2*
Early Rose of White Hill, 255374	RG	12-25-27	6y-243d	64,661	3,085.5*

HUNTINGDON COUNTY

Huntingdon County D. H. I. A., Year Ending May 31, 1940

Frank J. Hindman, Tester, Gen'l Delivery, Huntingdon, Pa.

Pennsylvania Industrial School, Huntingdon, Pa.					
P.I.R. DeVries, 1075949	RH	1-16-26	9y-155d	137,016	4,422.6*
P.I.R. Meta Jewel, 1209621	RH	3-27-27	9y-359d	161,949	5,668.7**
P.I.R. Gerben Pontiac, 1587025	RH	2-26-32	5y-308d	91,457	3,093.8*
P.I.R. Aggie Inka, 1525708	RH	12-30-30	6y- 63d	93,006	3,321.2**
H. E. Grazier, Warriors Mark, Pa.					
Emma Marshall, 13918	RSw	6-3-21	12y-125d	119,685	4,612.2**
Morella M. Marcus, 15028	RSw	4-15-22	12y-183d	91,558	4,166.2**
James E. Hindman, Tyrone, Pa.					
Nellie Grant of Quietude, 241147	RG	7-31-27	10y- 3d	78,249	4,006.8*
Catherine of Quietude, 260736	RG	3-11-28	8y-194d	67,792	3,413.2*
Dina Lee of Quietude, 277511	RG	12-14-28	7y- 93d	62,900	3,052.6*
Vide of Quietude, 300214	RG	12-9-29	7y-156d	64,524	3,388.3*
N. E. Black, Alexandria, Pa.					
Martha, Pa. 42127S	GrG	2-10-28	9y-247d	89,902	4,034.7**
R. F. Brown, Mill Creek, Pa.					
Genevieve, Pa. A53701	GrG	3-28-30	8y-181d	92,089	4,027.8*
Carrie No. 2, Pa. P74467	GrG	4-?-27	6y-180d	57,488	3,114.6*

INDIANA COUNTY

Indiana County D. H. I. A. No. 1, Year Ending May 31, 1940

Carl Johnston, Tester, Room C, Court House, Indiana, Pa.

Quay McMillen, Clymer, Pa.					
Mae	½J½H	2-?-26	11y-307d	99,624	5,987.7*
Oxfords Charming Princess	RJ	11-9-28	9y-132d	73,303	4,867.4*
Indiana County Home, Indiana, Pa.					
Kimwar Isabelle Pauline	RH	6-12-27	9y-273d	184,720	5,343.9*
Lady Ona Charlevoix	RH	2-19-30	8y-170d	95,884	3,491.5*
Indiana County Home Iona Ormsby, 472900	RH	1-15-31	7y-110d	86,420	3,505.9*
Walter C. Simpson, Marion Center, Pa.					
Pollanna	½J½G	?-?-26	10y	89,062	4,479.4*
John S. Rankin, Indiana, Pa., R.D.					
Jersey	GrJ	1-?-28	10y	77,703	4,458.3*
Torrance State Hospital, Torrance, Pa.					
Hengerveld Segis Fayne DeKol, 1135910	RH	10-2-25	11y-187d	139,048	4,400.9*
Heide Pontiac Fayne, 1304617	RH	3-22-27	10y-284d	133,297	3,958.6*
Conemaugh Belle Model	RH	7-19-27	9y- 65d	96,512	3,074.8**
Clyde Houck, Clymer, Pa., R. 1					
Betsy's Peggy of Houck Farm, 859280	RJ	8-22-28	10y	90,630	4,190.1*

Cow's Name and Number	Breed	Born	Yrs. on Test	Milk	Butterfat
Zahrah's Sophie of Houck Farm, 888218	RJ	4-6-29	8y-276d	80,221	4,374.1*
G. C. Swan, Home, Pa., R. 1					
Sophies Kid's Queen, 837316	RJ	8-15-27	9y-316d	77,075	3,903.7*
Pogis Alta Grey Lady, 995699	RJ	2-3-30	8y- 43d	63,219	3,436.1*
W. F. Barkley, Livermore, Pa.					
Bill 2nd	½G½H	4-7-28	9y- 92d	101,437	3,843.9***
H. H. Barnhart, Jr., Livermore, Pa.					
Lindy	½J½G	1-2-28	7y-273d	58,695	3,434.1**
Lindy 2nd	¾G¼J	9-10-29	7y- 18d	56,126	3,355.0**
I. M. Speedy, Livermore, Pa.					
Evelyn's Princess of Evergreen, 188762	RG	6-7-25	8y-190d	62,472	3,294.7***
James S. Cornell, Blairsville, Pa.					
Indiana County Home Yerkes, 1526274	RH	2-10-31	7y-105d	87,835	3,236.0*
E. G. Rice, Dixonville, Pa.					
Interested Sophie Crony, 1070018	RJ	8-5-30	7y-150d	62,233	3,120.1*
Carl Walker, Marion Center, Pa.					
Beauty	GrJ	7-29-29	7y-185d	61,602	3,108.5**

Indiana County D. H. I. A. No. 2, Year Ending May 31, 1940

Frank Ginter & Wendell Wetzel, Testers, Room C, Court House, Indiana, Pa.

John C. Mohney, Punxsutawney, Pa.					
Topsy	GrJ	12-21-29	8y-183d	73,963	4,369.9*
Violet of Long Acres, 1019770	RJ	2-2-31	7y- 21d	63,953	3,801.2*
Spot	GrJ	3-5-31	7y- 75d	60,866	3,619.4*
Moolie	GrJ	1-7-31	7y-137d	66,705	3,588.5*
Molly	GrJ	1-27-32	6y-108d	55,766	3,207.9*
J. Mack Hood, New Florence, Pa.					
Queen of Maple Crest, 748265	RJ	8-7-26	10y-309d	80,867	4,125.4***
Queen Pogis Nancy, 950403	RJ	9-25-30	7y-210d	73,597	3,907.6*
Major's E. Daisy Queen, 827640	RJ	11-11-28	8y-312d	66,092	3,368.3***
James Lynch, New Florence, Pa.					
Kate	GrG	?-?-24	11y-150d	91,547	4,072.9*
Shannonsvale Beauty, 210622	RG	4-17-24	11y- 91d	78,718	3,587.1**
Henry Townsend, South Bend, Pa.					
Dora of Meadow Brook, 201806	RG	9-29-25	8y-211d	78,420	3,674.8*
Pearl of Blue Grass Acres, 298099	RG	8-8-29	8y-211d	69,791	3,518.9*
Prides Maid of Indiana	RG	8-10-25	7y-241d	66,489	3,119.2**
Clyde McConaughey, Smicksburg, Pa.					
Elizabeth Option Oxford, 922241	RJ	1-11-30	7y-195d	72,935	3,230.3*
Torono Option Beauty B 98392	RJ	9-27-31	6y-102d	67,997	3,507.6*
W. H. Wood, Shelocta, Pa.					
Kimwar Jewel Butterboy, 129930	RH	10-27-28	7y-213d	110,741	3,482.8*

JEFFERSON COUNTY

H. Forrest Haugh, Glenn Ford, Testers, Brookville, Pa.

Herd of A. J. Bullers and Son, Brookville #1					
Leeda Elaine of Hazen, 192304	RG	4-15-25	11y-300d	105,374	5,986.5*
Letty Elda of Hazen, 245119	RG	12-8-27	9y-155d	103,442	5,443.3*
Herd of G. Howard Smith, Reynoldsville, #2					
Annabelle of Jackson Run	RA	9-21-25	10y-224d	104,568	4,215.5*

JUNIATA COUNTY

Juniata County D. H. I. A., Year Ending Sept. 30, 1940

Delmar L. Brofee, Tester, Agr. Ext. Association, Mifflintown, Pa.

Cow's Name and Number	Breed	Born	Yrs. on Test	Milk	Butterfat
H. I. Gray & Son, Honey Grove					
Laurel Run Ormsby Abbekerk, 1288607	RH	2-3-28	9y-124d	118,956	4,109.0*
Laurel Run Abbekerk Ormsby, 1385217	RH	1-28-29	9y	109,785	3,631.1**
Karl A. Fettig, Port Royal					
Blackie Ormsby Changeling, 23591	RH	7-11-27	8y-270d	101,546	3,468.2*
D. Q. Adams, Mifflintown, Pa.					
Korndyke Ormsby Carrie, 1594137	RH	7-10-27	7y- 34d	97,349	3,434.0**
Holmes E. Groninger, Port Royal					
Model Hengerveld Korndyke, 37743	RH	12-13-30	8y-120d	86,058	3,111.2*

LACKAWANNA COUNTY

Lackawanna County D. H. I. A., Year Ending Sept. 30, 1940

Donald Hindmand, Tester, Waverly, Pa.

Mrs. Vera Seamans, Factoryville, Pa.					
June	GrH	1928	9y-243d	120,961	3,987.5**
Nancy	GrG	1930	8y	75,194	3,282.8*
T. W. McLain & Son, Moscow, Pa.					
Flossy	GrH	1925	10y-214d	101,398	3,773.4**
Specky	GrH	1925	9y-301d	110,905	3,566.5**
Leonard Hertneck, Moscow, Pa.					
No. 6	GrH	1926	10y-305d	101,881	3,577.2*

LANCASTER COUNTY

Garden Spot D. H. I. A., Year Ending April 30, 1940

Luke W. Martin, Tester, Goodville

Warren L. Eby, Gordonville, R. 1					
Breezy Glen Coley Korndyke, De Kol, 1054385	RH	9-23-25	12y-170d	152,926	5,175.8**
Breezy Glen K. P. Topsy, 1429944	RH	12-2-29	8y-133d	115,966	3,925.4*
M. V. Brubaker, New Holland, R. 2					
Snow Ball Sylvia, 1131179	Hol.	12-8-26	11y-154d	116,651	3,673.5*

LAWRENCE & BEAVER COUNTIES

Lawrence County D. H. I. A., Year Ending Aug. 31, 1940

Wayne Walker & Frank Wright, Testers, P. O. Box 119, New Castle, Pa.

Frank Fruman, Sr., R. 1, Beaver Falls, Pa.					
Susie	GrH	1927	10y	96,897	3,740.8*
Topsy	GrH	1926	10y	98,809	3,405.6*
Wm. W. McCombs, R. 7, Mahoningtown, Pa.					
Torments True Lass, 638278	RJ	12-30-23	14y-198d	90,103	5,105.7*
Major Hood's Susan, 743892	RJ	8-31-26	13y- 28d	79,511	4,153.1*
Arnold Brothers, R.D. 1, Beaver Falls, Pa.					
Horn's Royal Jean, 286748	RG	9-15-28	8y-224d	82,403	4,130.7
Queens Merry Olive, 306281	RG	1-16-30	7y-261d	60,928	3,216.9

LEBANON COUNTY

Lebanon County D. H. I. A., Year Ending June 30, 1940

Monroe H. Mock, Tester, R. 2, Myerstown, Pa.

Cow's Name and Number	Breed	Born	Yrs. on Test	Milk	Butterfat
Fairview Farm, Cornwall, Pa.					
Wilburtha, 207253	RG	1-7-26	11y	104,484	4,912.9**
Morella Superior, 330771	RG	1-31-30	8y- 89d	79,326	4,511.4*
Spot Queen Ultra, 298461	RG	10-21-29	8y-271d	81,359	4,467.9*
Homewood, 182792	RG	11-30-24	12y	99,462	4,317.4***
Duralena, 325397	RG	10-8-30	7y-243d	90,558	4,125.7*
Ultra Temora	RG	11-21-28	9y-225d	79,639	3,820.3**
Jacob N. Smith, R. 1, Annville, Pa.					
Ultra Milena, 276631	RG	11-2-28	9y	93,697	4,238.8*
Ammon Brubaker, R. 2, Myerstown, Pa.					
Lady Echo Korndyke Pesch, 1633719	RH	2-15-32	6y- 96d	90,905	3,118.5*

LEHIGH COUNTY

Lehigh-Northampton D. H. I. A., Year Ending Feb. 29, 1940

Victor Plastow, Tester, 445 Hamilton, Street, Allentown, Pa.

L. A. Zimmerman, R. 2, Lehighton					
Spinker Pietertje Lady 2nd, 1163448	RH	2-20-27	8y-204d	148,429	5,180.0*
Ona Loyal DeKol, 1721665	RH	9-14-29	7y- 50d	107,175	3,654.8*
Pansy Segis Ormsby Princess	RH	4-25-30	7y- 50d	97,063	3,646.3*
Ormsby Pansy Lady Segis	RH	4-21-32	5y-137d	93,012	3,463.0*
Wesanking Behna Friune	RH	6-24-30	7y-135d	96,055	3,409.3*
Willow Brook Farms, Catasauqua, Pa.					
Highland Laurel, 196703	RG	9-17-25	9y	78,940	4,314.8*
Fisherman's Winsome of W. B. 254483	RG	5-18-28	9y	74,793	3,421.3*
Fisherman's Ann of W. B. 290615	RG	4-27-29	8y- 91d	65,621	3,344.2*
Sequels Dorothy of W. B. 308920	RG	11-10-27	7y-295d	66,527	3,297.2*
Weyhill Farms, R. 4, Bethlehem, Pa.					
Saucona Mae Beauty Walker, 1299383	RH	11-3-28	9y	111,887	3,835.2*
Senator's Vera of Elmwood, 232225	RG	3-1-27	9y-243d	79,327	3,563.5*
Wasteland Florence, 263799	RG	4-30-28	9y-151d	75,796	3,363.7*
Peggy of Weyhill, 334992	RG	9-9-30	7y- 25d	62,029	3,336.8*
Violet Eclipse of Liseter F., 255793	RG	4-4-28	9y-120d	65,042	3,070.9*
Allentown State Hospital, Allentown, Pa.					
No. 319	GrH	4-10-29	8y-235d	104,865	3,683.4*

LYCOMING COUNTY

Lycoming County D. H. I. A., Year Ending March 31, 1940

Alva R. Love, Tester, Jersey Shore, Pa., 131 Oliver Street

State Industrial Home for Women, Muncy					
Loyalmeade Katey Ormsby, 1249736	RH	3-14-27	10y- 77d	125,978	4,750.6**
Turkey Run Lyon Alcartra, 1161110	RH	4-19-27	9y-235d	102,858	4,314.1**
Turkey Run Ormsby, 1376797	RH	11-2-29	8y-117d	109,325	3,690.6*
S. L. Nicholson & Son, Muncy					
Lady Burke Dutchlnd DeKol, 981721	RH	11-4-24	13y- 73d	137,926	4,527.4*

Cow's Name and Number	Breed	Born	Yrs. on Test	Milk	Butterfat
H. R. Paulhamus, Cogan Station					
Ladner Caddy Colantha 2nd, 1412415	RH	12-28-27	10y	127,238	4,381.7*
Ladner Pontiac Pietertje, 1412418	RH	12-26-28	9y- 94d	82,800	3,101.2*
H. A. Snyder, Montoursville					
Loyalmeade Mary Jane Ormsby, 1249733	RH	8-24-26	10y-179d	109,627	3,995.5**
Loyalmeade Jaqueline Ormsby, 1418293	RH	3-13-29	8y-202d	97,681	3,462.6*
W. D. Snyder, Cogan Station					
Bartly Segis Janet, 1379597	RH	12-29-28	8y	101,420	3,146.4**

McKEAN COUNTY

First McKean County D. H. I. A., Year Ending April 30, 1940

L. A. Buchanan, Tester, Smethport, Pa.

Wahlberg Brothers					
Polly Pa., 99047W	GH	?	11y- 88d	118,957	4,505.6**
Maude, 23-4005	GJ	7-7-27	10y- 30d	86,140	3,932.2*
Daisy Stratton of Greendale, 251574	RG	10-15-27	9y-104d	57,472	3,226.1**
E. H. Sage					
Chancellor's White Beauty Bell, 97491	RA	4-28-26	10y	87,911	3,489.3*
Fleckie Statesman of Red Rock, 86325	RA	12-30-22	11y	85,201	3,342.7*
George Carlson					
Prilly Lady Segis Ormsby, 1825325	RH	3-4-29	7y-279d	106,388	3,454.7*
Ideal Farms					
Lena Rose of the Inlet, 283235	RG	12-30-28	7y-336d	67,482	3,402.6**
Myrtle, 23-4527	GG	3-7-28	9y- 92d	81,426	3,348.5**
Gladiator's Pet of Banner 223627	RG	9-23-26	9y-181d	61,758	3,292.3*

MERCER COUNTY

Grove City D. H. I. A., Year Ending June 30, 1940

Paul R. McCauslin, Tester, c/o C. H. Waha, Co. Agent, Mercer, Pa.

Herd of G. G. McDowell, Grove City					
Fanny Hortense	RJ	10-22-28	10y	106,464	5,205.3*
Major Hood's Minnie, 700047	RJ	10-30-25	10y-159d	90,131	5,087.0**
Lady Claire Tennyson, 825041	RJ	10-15-28	8y-306d	70,445	3,591.8**
Herd of Mercer Sanitarium, Mercer					
Financial Clara Bow 2nd, 915102	RJ	1-9-30	8y- 91d	80,873	4,912.0*
Financial Prince's Vivian 2nd, 915103	RJ	2-5-30	7y-128d	63,761	3,878.3**
Herd of W. I. Blake, Mercer					
Lois Sultan Marie, 802567	RJ	8-22-26	9y-317	85,458	4,748.3*
Mill Run Dream, 942674	RJ	7-29-29	8y-348d	78,931	4,328.6**
Herd of A. M. King, Mercer					
Caroline Sally, 791843	RJ	6-20-26	10y-120d	71,980	4,002.5**
April Babe, 1208151	RJ	2-5-29	9y	65,009	3,654.0*
Majesty Pet June, 1149849	RJ	6-16-28	9y-122d	149,186	3,652.7*
Herd of J. N. Pew Estate, M. McCoy, Mercer					
Ruth	GG	1-?-27	9y-240d	71,940	3,686.7**
Herd of L. M. Cummings, Mercer					
Ethel, M90410	GJ	7-1-27	9y- 31d	70,361	3,581.5***
Sally	GG	7-5-30	7y-308d	62,406	3,121.4**
Ruth	GJ	7-5-30	8y- 60d	63,419	3,109.2*

Cow's Name and Number	Breed	Born	Yrs. on Test	Milk	Butterfat
Herd of A. D. Ramsey, Volant					
Pansy, 5833W	GJ	9-28-27	7y-336d	61,928	3,308.7***
Violet Oxford Mattie, 949409	RJ	10-26-30	7y-175d	57,562	3,204.6*
Mary, 5821W	GJ	7-5-29	7y-122d	54,352	3,170.3***
Herd of W. D. White, Grove City					
Colantha Posch Axelina, 1743917	RH	8-12-29	5y	68,088	3,003.0*

Mercer County No. 3, D. H. I. A., Year Ending June 30, 1940

Albert Wolfgang, Tester, c/o C. H. Waha, County Agent, Mercer, Pa.

Herd of Mercer County Home, Mercer					
Hengerveld Pontiac Poseh Girl, 1638706	RH	10-14-29	8y- 30d	105,906	3,710.4

MIFFLIN COUNTY

Mifflin County D. H. I. A. No. 1, Year Ending July 31, 1940

Kenneth Wright, Tester, Burnham, Pa.

Aaggie Pontiac Korndyke Girl, 1567117	RH	10-8-29	8y-177d	112,223	4,006.6*
Mary III	GrH	2-6-30	8y-244d	101,605	3,863.5*
Juniata Lyons Korndyke, 1684129	RH	3-13-30	8y-274d	101,652	3,787.6*
Elmbrook Ormsby Pontiac Snowball, 1906774	RH	9-25-29	8y- 46d	110,263	3,733.0**

Mifflin County D. H. I. A. No. 2, Year Ending July 31, 1940

John A. Nale, Tester, Milroy, Pa.

Lucile Konigen Segis, 1420929	RH	12-2-28	9y- 44d	98,331	3,377.2*

MONTGOMERY COUNTY

Montgomery County D. H. I. A. No. 1, Year Ending April 30, 1940

Delbert E. Keir, Collegeville, Harry M. Reynolds, Norristown, Testers

Harvey Murphy, Norristown, R.D.					
Spot	GH		10y-212d	137,490	4,780.7*
H. D. Allebach, Collegeville					
Allebach Bellwood Cornucopia, 1347743	RH	8-17-27	10y-153d	118,581	4,313.1*
S. C. Burton, Maple Glen					
Kelso's Cheerful, 569318	RG	11-13-28	8y- 74d	76,158	4,115.6*
Woodside's Milady, 270738	RG	4-13-27	10y	79,672	4,045.0
Mrs. Howard Bieler, East Greenville					
Sally	GH		13-y181d	119,016	4,101.4**
Charles Fetterman, Barto					
Polly Krebelle Ormsby VanBeers, 1350967	RH	8-24-28	9y-239d	106,526	4,012.6*
Aaggie Korndyke Lady Cornucopia, 1350969	RH	9-1-28	9y-185d	102,252	3,685.0*
Raleighs Noble Yellow Daisy, 719809	RJ	1-2-25	7y- 48d	74,563	3,538.2*
Daisy Aaggie Ormsby Madrigal, 1432245	RH	8-7-29	8y-227d	100,086	3,531.1*
Minneota Queen Pietertje Alcartra, 1275137	RH	8-13-28	9y-156d	117,058	3,504.5**
Shipley School Farm, Gladwyne	GG		7y	76,664	3,902.8*
Alvin L. Funk, Collegeville					
Beauty's Hope of Hill View, 296633	RG	9-9-29	7y-309d	81,340	3,899.3**
J. L. Wood & Sons, Pennsburg					
Woodson Ormsby Segis Pontiac	RH	8-2-29	8y-150d	115,344	3,881.0*

Montgomery County D. H. I. A. No. 2, Year Ending Nov. 30, 1940

David H. Magill, Tester, West Point, Pa.

Cow's Name and Number	Breed	Born	Yrs. on Test	Milk	Butterfat
Normandy Farms, Norristown, R.D. 3					
Glen Foerd Carol, 96882	RA	9-25-24	11-y 65d	98,473	4,065.4**
Lady of Gwynedd Valley, 120416	RA	8-15-29	9y	94,211	3,899.1*
Auchenbrain Miss Craig 51st, 124254	RA	1-11-28	10y- 46d	10,093	3,872.8*
Penshurst American Queen, 120006	RA	4-14-29	9y	85,298	3,452.4*
Whitpain American Rose, 130639	RA	1-18-31	7y- 64d	91,144	3,444.3*
State Hospital, Norristown					
No. 23K1104	GH	4-6-25	10y	105,230	3,873.9*
No. 23K1060	GH	6-1-30	8y- 92d	97,626	3,308.5*
No. 23K1005	GH	1-4-26	9y-184d	88,893	3,190.0*

NORTHAMPTON COUNTY

Northampton No. 1, D. H. I. A., Year Ending Feb 28, 1940

Claude R. Shultz, Tester, Bangor, R. 2

Floyd Shook, Pen Argyl, R. 1					
Betty Alcartra Ruth, 1275344	RH	10-4-27	9y	107,692	4,217.6*
Pearl Sylvia Ruth, 1378221	RH	11-30-28	8y	99,952	3,914.5*
Olive Echo Creator, 1433467	RH	9-9-29	8y	91,558	3,444.4*
John Shoemaker, Mt. Bethel, R. 1					
Jim	GrH:J	?	9y	87,708	3,744.7*
Beauty	GrH	?	9y	103,560	3,532.3*

NORTHUMBERLAND

Northumberland-Snyder D. H. I. A., Year Ending March 31, 1940

John Orcutt, Tester, Corsica, Pa., R.D. 1

State Colony, Selinsgrove					
No. 43	GrH	1927	8y-261d	128,424	4,215.1*
C. M. Bailey, Beavertown					
Diana, 896L	GrH	1927	8y	95,455	3,864.1*
E. G. Winey, Middleburg					
Pearl of Stockwell Farm	RG	8-8-25	10y-268d	61,705	3,387.3*
Evelyn of Point Pleasant	RG	1-25-25	10y- 91d	59,526	3,202.9**

PERRY COUNTY

Perry County D. H. I. A., Year Ending Feb. 29, 1940

Bruce E. Beaver, Tester, Wila, Pa.

Beavers Brothers, Millerstown, Pa.					
Q'dale Rachael Creamelle Lad, 857761	RH	11-5-22	12y-212d	128,533	4,584.0*
Rachel Berks Hengerveld, 8084	RH	2-29-28	9y-279d	108,283	4,090.5*
Dijkstra Torret DeKol, 8082	RH	12-17-27	9y-172d	105,341	4,076.0*
Mary Creamelle DeKol, 8086	RH	1-9-25	10y-296d	108,084	4,012.3*
Ward R. Milligan, Loysville, Pa.					
Bess	GrH	1-9-29	9y- 21d	121,861	3,764.7*
Stanley T. Gabel, Newport, Pa.					
Lita Konigen Pietertje, 52634 HRA—1447136 HFHB	RH	10-19-29	8y- 91d	90,717	3,348.5*

POTTER COUNTY

Potter County D. H. I. A. No. 2, Year Ending April 30, 1940

B. Wayne Kelly, Tester, Coudersport, Pa.

Cow's Name and Number	Breed	Born	Yrs. on Test	Milk	Butterfat
Greenwald Echo Colantha Susan, 1285804	RH	3-9-28	7y	212,000	3,320.8**
Greenwald Sylvia Echo, 958505	RH	7-18-24	10y	171,000	4,968.1*

SCHUYLKILL COUNTY

Henry E. Lindner, Tester, Zion Grove

Roy J. Gauker, Cressona					
Lass	GrH	?	12y-122d	137,433	4,338.6**
I. Earl Paxson, Sch. Haven					
Polly	GrH	7-5-28	9y-163d	117,860	4,337.1**
Maud Richards, Pottsville					
Lathrop Oak Tobe, 1396896	RH	7-17-27	9y-289d	121,554	4,244.8*
U. E. Rhein, Pine Grove					
Camilla You'll Do, 881594	RJ	1-19-29	9y- 55d	73,109	3,971.0*
Silk Majesty You'll Do, 919076	RJ	4-1-30	7y-345d	67,576	3,594.2*
Lady Camilla, 921214	RJ	12-8-29	8y-113d	68,970	3,523.8*
Guy S. Reed, Summit Station					
Lil	GrH	4-23-27	9y-258d	108,343	3,912.0**
Tillie	GrH	3-13-29	7y-210d	84,363	3,117.3*
Roy Hunter, Ashland, R. 1					
No. 13	GrH	1924	9y	100,948	3,403.6*
A. T. Riegel, Landingville					
Lila Ona DeKol, 1349711	Hol.	11-27-28	9y- 94d	98,619	3,249.0*

SOMERSET COUNTY

Somerset County D. H. I. A. No. 1, Year Ending March 31, 1940

Joseph Duncan, Tester, Somerset, Box 150, Pa.

Myers Brothers, Meyersdale, Pa.					
Nick's Beauty of Upland Farm, 24611	R:B:Sw	10-25-26	9y	103,173	4,308.0*
Nancy Lee of Upland Farm, 3221	R:B:Sw	7-28-29	7y-350d	93,900	3,998.2*
Bessie F. of Upland Farm, 32208	R:B:Sw	11-20-27	9y	91,559	3,635.4*
Julia of Upland Farm, 24612	R:B:Sw	3-3-27	9y	93,340	3,530.6*
Nell of Upland Farm, 21074	Br:Sw	7-5-24	9y	83,425	3,364.2*
Mary Lou of Upland Farm, 27145	R:B:Sw	6-1-27	9y	78,465	3,356.0*
Silver Bell of Upland Farm, 24613	R:B:Sw	3-6-27	9y	82,992	3,237.2*
Dairy B. of Upland Farm, 32209	R:B:Sw	12-10-28	8y	76,698	3,224.9*
Beauty Pet of Upland Farm, 34139	R:B:Sw	3-12-30	7y-350d	67,765	3,117.1*
Mrs. Alice Brant, Friedens, Pa.					
Polly	Mixed	1927	8y-334d	71,249	4,283.7**
O. W. Beachley, Somerset, R. 5, Pa.					
Lola Piebe Sensation, 1366830	RH	9-13-29	7y-225d	93,834	3,182.6*
Menno Yoder, Meyersdale, Pa.					
Bess Peggy, 78082	RJ	2-26-28	7y	56,245	3,157.1*

SUSQUEHANNA COUNTY

Choconut Valley D. H. I. A.

Lloyd C. Potter, Tester, c/o County Agent, Montrose

Cow's Name and Number	Breed	Born	Yrs. on Test	Milk	Butterfat
A. J. Patton, Brackney, Pa.					
Beauty Posch Segis Tweede, 1161246	RH	2-8-27	9y-244d	92,697	3,565.5***
Eleanor Pontiac Segis Tweede, 1161243	RH	2-22-25	9y- 92d	88,891	3,439.9**

Gelatt-So. Gibson D. H. I. A.

Robert Hartt, Tester, c/o County Agent, Montrose, Pa.

Cordie Allen, Nicholson, Pa.					
Wayne Korndyke Johanna, 1163988	RH	9-8-26	10y-173d	147,763	4,704.5**
A. L. Bowell, Thompson, Pa.					
Korndyke Segis Andire, 1603611	RH	9-17-30	6y-307d	102,802	3,835.8
Colantha Arlep Hengerveld, 1603610	RH	9-14-30	8y	102,851	3,701.0*
Konigen Pietje Alcartra, 1603607	RH	8-27-30	7y	89,951	3,186.0*
Roy L. Wilmot, Jermyn, Pa.					
Speck—ear tag, 1324R	GH	?-?-23	8y-336d	78,876	3,609.4**
Bessie	GH	?-?-29	9y	79,900	3,251.2*
Curtis Allen, Nicholson, Pa.					
Cherry—ear tag, C8803	GG	?-?-29	8y-244d	83,639	3,582.1*
Andy—ear tag, 73239W	GH	9-22-30	8y	105,313	3,427.8*

Western Susquehanna County D. H. I. A. No. 1

H. Mac Hindman, Tester, c/o County Agent, Montrose, Pa.

Floyd Hibbard, Springville, Pa.					
Springville Berks Echo Piebe, 1776139	RH	12-26-30	7y-190d	109,381	3,515.7*
S. C. Birchard & Son, Birchardville, Pa.					
Volunteer's Nicadunce, 836757	RJ	4-26-28	10y- 99d	57,540	3,432.6*
Majesty's Dina Sayda, 890211	RJ	3-15-29	8y-355d	61,584	3,182.2*
Spotted Vivian, 1019198	RJ	11-8-29	8y- 31d	56,363	3,062.6*
Steward R. Ellsworth, Meshoppen, Pa.					
Korndyke Hengerveld Copia Tweede, 1297384	RH	9-30-27	9y	84,489	3,093.9*
Fernheim Farm, Montrose, Pa.					
Fernheim Princess Freda, 101120	RA	3-17-27	9y-280d	71,407	3,090.6*
Dr. Asa Hickok & Son, Birchardville, Pa.					
Majesty's Merion, 884029	RJ	2-2-29	10y	53,250	3,011.0*

Western Susquehanna County No. 2

Wayne Bunnell, Tester, c/o County Agent, Montrose, Pa.

Sarah L. Walworth, New Milford, Pa.					
Jean Tweede Segis Creamelle (Twin), 1354400	RH	9-17-28	9y-355d	96,136	3,322.9*
Ray Walworth, New Milford, Pa.					
Dimple Creamelle Pontiac, 1598368	RH	9-30-30	6y-360d	100,016	3,285.1*

TIOGA COUNTY

Cowanesque Valley D. H. I. A., Year Ending Nov. 1, 1940

Robert Gingerich, Tester, Knoxville, Pa.

Cow's Name and Number	Breed	Born	Yrs. on Test	Milk	Butterfat
L. G. Hunt, Westfield, R.D. 1, Pa.					
Snowflake of Maple Grove, 1318459	RH	3-21-28	7y	84,667	3,090.3*

Jackson D. H. I. A., Year Ending May 31, 1940

Ward McConnell, Tester, Millerton, Pa.

A. D. Prutsman, Millerton, Pa.					
Airclift Ona Hengerveld, 1324135	RH	2-10-26	11y	145,078	5,121.0*
Airclift Ona Clothilde, 1345995	RH	3-24-26	9y-234d	87,223	4,171.7*
Airclift Johanna DeKol, 962280	RH	11-21-23	9y	93,727	3,504.5**
Airclift Hengerveld Alida, 1279266	RH	2-22-28	7y-343d	95,679	3,400.7***
E. N. Garrison, Millerton, Pa.					
Superior's Victoria, 809369	RJ	9-22-27	7y-244d	86,557	4,787.1*
Superior's Heirs Molly, 826492	RJ	1-24-28	7y- 32d	67,961	3,736.7**
Baron Jap Madge, 949876	RJ	10-21-30	7y- 80d	58,498	3,354.3*
Superior's Heirs Bernice, 826493	RJ	2-24-28	7y- 61d	62,270	3,189.8**
E. B. Spencer & Son, Millerton, Pa.					
Spencercrest Lyons Yoma Snowdrop, 1153314	RH	4-3-26	10y-306d	132,925	4,623.4**
Spencercrest Yoma Lyons Snowdrop, 1224587	RH	3-25-27	10y-274d	106,838	3,803.2*
Spencercrest Ivo DeKol Peep, 1457245	RH	12-9-29	8y- 22d	88,116	3,087.5*
Victor H. Hurd, Millerton, Pa.					
Goldie Louise of Fernwood	RG	5-15-29	9y- 31d	74,470	3,532.3*

Liberty D. H. I. A., Year Ending Aug. 31, 1940

Clyde H. Wilson, Tester, Liberty, Pa.

Albert Norman, Liberty, Pa.					
Meadowbrook Nellie Daisy, 985034	RJ		11y	87,145	4,901.6*
Meadowbrook Mary, 985033	RJ	11-22-28	9y-304d	80,425	4,557.2*
Dan Bonnell, Liberty, Pa.					
Beauty	GrJ		8y-337d	68,305	3,958.4*
Rosie Bonny Mildred, 987102	RJ	3-17-28	9y-153d	67,934	3,756.7*
Bob	GrJ	Fall, '23	9y-125d	72,942	3,611.3*
Ed W. Brion, Liberty, Pa.					
Victor's Fancy Magnolia, 930743	RJ	3-31-30	7y-245d	63,096	3,570.1**

Mansfield D. H. I. A., Year Ending March 31, 1940

Ellis E. Morgan, Tester, Mansfield, Pa.

Roy Whittaker, Covington, East Brook Farm					
East Brook Flossy Wayne, Beets, 1247287	RH	12-9-27	10y- 29d	124,347	4,732.8*
East Brook Pauline Netherland, 1316693	RH	4-25-28	9y- 23d	122,017	4,123.1***
East Brook Topsy Ormsby Hengerveld, 1438226	RH	2-28-30	7y-165d	90,902	3,340.2*
East Brook Dina Ormsby Wayne, 1438227	RH	4-12-30	6y-207d	81,878	3,003.0***

Wellsboro D. H. I. A., Year Ending Oct. 31, 1940

George W. Thompson, Tester, Wellsboro, Box 604, Pa.

Cow's Name and Number	Breed	Born	Yrs. on Test	Milk	Butterfat
Roy S. Bowen, Wellsboro, R.D. 3, Pa.					
Winnie Ormsby Pontiac Finderne, 1027092	RH	10-13-24	13y	235,868	7,180.6*
Gwennie Junior Ormsby Finderne, 907025	RH	11-5-23	13y	199,094	6,345.7*
Adequate Eva Ormsby Pontiac Posch, 1386426	RH	1-18-29	8y-156d	119,487	3,821.4*
Adequate Jane Pontiac Posch, 1657111	RH	11-2-31	6y	99,129	3,299.3*
P. P. Korb, Wellsboro, Pa.					
Bess Rosie, 992030	RJ	12-17-31	6y-230d	63,615	3,418.7*
Ralotro Crunette, 1008215	RJ	9-12-32	4y-266d	62,065	3,350.3*

UNION COUNTY

Buffalo Valley D. H. I. A., Year Ending June 30, 1940

Oscar H. Rockey, Tester, Lewisburg, Pa., R.D. 2

Cow's Name and Number	Breed	Born	Yrs. on Test	Milk	Butterfat
Laurelton State Village					
Margaret	GH	1927	8y-244d	122,773	4,418.2**
Vesta	GH		7y-219d	115,549	3,888.5**
Thelma	GH	3-17-32	6y- 87d	94,904	3,220.0*
J. S. Zeigler, Lewisburg					
Snowball Gibson Napol, 1144368	RH	3-5-26	11y- 32d	123,760	4,409.8**
Zeigs Flora Ensign Shaw, 1388272	RH	3-14-29	9y-	94,400	3,114.6*
Wm S. Erdley, Lewisburg					
Johanna Netherland Ormsby Artis, 1270406	RH	3-28-28	9y- 47d	121,545	4,294.6*
Calvin Stahl Est., Mifflinburg					
Beets Piebe, 1293739	RH	12-29-37	9y-125d	114,652	3,911.8**
Miles Erdley, Lewisburg					
Neta Pontiac Ormsby Ona, 1297697	RH	11-16-28	8y-285d	116,681	3,842.6*
David E. Voneida, Lewisburg					
Mary Arlene of Prince Vogel, 23488	R:B:S	2-17-26	9y	95,003	3,752.5*
Arlene Irwin, 14483	R:B:S	11-1-21	9y	89,671	3,196.9*
J. L. Reitz, Lewisburg					
Korndyke Erma Pontiac, 1287350	RH	12-21-27	9y- 70d	116,644	3,715.8***
Queen Korndyke Pontiac Ona, 1287349	RH	10-17-27	9y-167d	117,074	3,624.2***
A. C. Slifer, Lewisburg					
Beauty Lyons Piebe Plum, 1443225	RH	9-16-29	8y-130d	113,119	3,648.9*
R. E. Musser, Lewisburg					
Ollie Aaggie Floss Reliance, 1644139	RH	12-20-28	8y-352d	103,455	3,593.7*
Wm. J. Erdley, Mifflinburg					
Segis Pontiac Friend, 1586753	RH	1-16-31	6y-303d	84,858	3,199.9*

VENANGO COUNTY

Venango County D. H. I. A., Year Ending July 31, 1940

John E. Baker, Tester, P. O. Box 468, Franklin, Pa.

Cow's Name and Number	Breed	Born	Yrs. on Test	Milk	Butterfat
Polk State School, Polk, Pa.					
Mead Jannek Korn Dean 4th, 1122281	RH	1-27-26	11y-303d	192,676	6,201.3*
Melina Jannek Segis 4th, 1042095	RH	11-24-24	11y-227d	160,993	5,742.7**

Cow's Name and Number	Breed	Born	Yrs. on Test	Milk	Butterfat
Jenny Wren Creator, 1208521	RH	3-5-27	10y-312d	155,985	5,306.7*
Dean Jannek Creator, 1203813	RH	3-22-27	9y-260d	128,662	4,823.3**
Creator Mead, 1290487	RH	4-7-28	9y- 26d	129,554	4,236.4**
Jannek Vashti 4th, 1369204	RH	7-1-29	7y-163d	125,589	4,190.1**
Dean Vernon May, 1440144	RH	5-8-30	7y-319d	115,845	3,882.0*
Mead Champion Jannek Polk 2d, 1551254	RH	8-28-31	6y-249d	114,474	3,841.9*
Inka Korndyke May, 1551256	RH	9-10-31	6y-205d	100,483	3,761.5*

WARREN COUNTY

Warren County No. 1 D. H. I. A., Year Ending April 30, 1940

Mervin C. Schuckers, Tester, Spring Creek, Pa.

Cow's Name and Number	Breed	Born	Yrs. on Test	Milk	Butterfat
Warren State Hospital					
Conewango A.K.S. Pride, 1103738	RH	12-8-25	11y-233d	168,949	5,445.5*
No. 460A	GrH	12-9-28	9y- 30d	145,125	4,775.7*
Conewango A.K.S. Pauline, 1193153	RH	12-27-26	10y-273d	132,483	4,541.1*
Conewango Colantha Lilith Pet, 1486728	RH	5-6-30	7y-167d	111,854	4,280.1*
No. 477A	GrH	8-4-29	8y-105d	119,139	4,220.8*
Conewango Lilith Lady, 1393572	RH	7-28-29	7y-347d	131,487	4,099.5**
Conewango A.K.S. Pearl, 130876	RH	6-22-28	9y-201d	121,965	3,921.1*
Conewango Colantha A.K.S. Pauline, 1486729	RH	5-10-30	7y-273d	98,406	3,735.3*
No. 475A	GrH	6-9-29	8y- 87d	102,562	3,672.9**
Conewango A.K.S. Anna, 1393566	RH	10-24-29	7y-233d	107,857	3,529.8*
Conewango Colantha A.K.S. Beauty, 1486727	RH	4-26-30	7y-250d	88,321	3,354.3*
Conewango A.K.S. Alive Lilith, 1553121	RH	6-19-31	6y-181d	94,984	3,164.7*
Conewango A.K.S. Belle (Twin), 1486723	RH	4-16-30	7y-174d	89,441	3,024.0*
Conewango Pontiac Belle (Twin), 1486724	RH	4-16-30	7y-130d	89,737	3,090.4*
No. 23-C4131	GrH	9-15-31	6y-131d	89,185	3,083.5*

WASHINGTON COUNTY

Washington County D. H. I. A., Year Ending Aug. 31, 1940

George W. Hayden, Tester, Elizabeth, Pa., R.D.

Cow's Name and Number	Breed	Born	Yrs. on Test	Milk	Butterfat
466-P.T.S. Ruby King Sylvia, 1356863	RH	6-9-29	7y-242d	115,583	3,860.2**
520-Korndyke Fern May, 1547071	RH	1-21-31	7y- 42d	120,566	4,290.8*

WAYNE COUNTY

Clinton D. H. I. A., Year Ending Nov. 30, 1940

Dean Wright, Tester, Honesdale, Pa.

Cow's Name and Number	Breed	Born	Yrs. on Test	Milk	Butterfat
Stephen O. Snedeker, Waymart, Pa.					
Rose, 23-B3083	GJ	3-8-24	11y-275d	103,448	5,525.5**
Dreamer Ransom Jewel, 1019930	RJ	9-12-32	6y	62,630	3,368.2*
Russell Erk, Prompton, Pa.					
Ardmore's Option Tessa, 785914	RJ	4-17-27	11y-242d	93,493	5,129.2*
Option Dairylike Dreamer, 920113	RJ	2-21-30	8y-122d	64,643	3,583.3*
Farview State Hospital, Waymart, Pa.					
No. 67-G47614	RH	12-22-30	7y-234d	113,911	4,242.7*
No. 68-A16249	GH	6-18-30	7y-240d	94,438	3,478.7*

Cow's Name and Number	Breed	Born	Yrs. on Test	Milk	Butterfat
Clothilde Sylvia 57 ETR 43251	GH	12-12-31	6y-147d	92,848	3,066.2*
Bess (Clothilde Sylvia Bess)	GH	7-4-31	7y-122d	90,022	3,119.1*
W. E. Rude, Waymart, Pa.					
Brookside Chenille's Carrie, 642397	RJ	2-10-24	13y	67,663	3,926.2*
Warder's Jolly Doris, 766618	RJ	3-4-27	11y-230d	63,101	3,342.7*
Wm. B. O'Neill, Pleasant Mt., Pa.					
Daisy, 10656-M	GH	1926	10y-201d	89,514	3,433.3*
Edward Erk, Seelyville, Pa.					
You'll Do Jolly Rebecca, 940721	RJ	3-14-30	8y-150d	59,239	3,389.3**
Dreamer's Tessa, 897690	RJ	9-21-29	8y-304d	57,097	3,188.4*
Wm. F. Hauenstein, Waymart, Pa.					
Rockdale Poppy Bell, 982483	RJ	10-24-30	7y-257d	51,711	3,134.4*
E. E. Kinsman, Honesdale, Pa.					
Craft Farm Rosalie Deries 2nd, 1895472	RH	0-21-27	8y-335d	94,616	3,042.3**
George W. Rosener, Aldenville, Pa.					
Jill, 6399W	GJ	9-17-31	6y	60,403	3,035.0*

Damascus D. H. I. A., Year Ending March 31, 1940

Dean E. Morgan, Tester, 290 Troy St., Canton, Pa.

C. E. Canfield					
Ormsby Inka Alcartra, 1713234	RH	4-26-30	7y-274d	110,029	4,428.5
Johanna Segis Clothilde Lass, 1648505	RH	8-23-27	9y-212d	119,984	4,082.9
Ormsby DeKol Segis Girl, 1713233	RH	9-1-26	10y- 92d	102,748	3,694.2
Mayflower Inka DeKol, 1713238	RH	9-29-29	8y-245d	80,808	3,220.9
Colantha Ona Lily, 1648507	RH	10-8-31	6y-127d	91,212	3,176.1
Colantha Maid Ona Pansy, 1713243	RH	5-4-31	6y-346d	96,078	3,017.1
F. Emmett Olver					
Joyce Ona Segis Wayne, 1733504	RH	9-10-26	10y-211d	137,030	4,716.1
Lou	GrH	1928	8y-183d	80,505	3,114.8
Russell Sheard					
Alfa	GrH	10-4-27	9y- 69d	99,985	3,365.0
Snowball	PH	3-22-30	8y-168d	87,531	3,166.9
Warner Robbins					
Chestnut Lake Pietertje Colantha, 1201401	RH	1-8-27	10y	117,836	4,242.7
Chestnut Lake Jewell, 1354511	RH	9-1-28	9y	99,604	3,645.7
Chestnut Lake Hartog Fayne, 1354514	RH	10-9-28	8y-298d	91,825	3,533.4
Chestnut Lake Sadie Segis, 1201400	RH	12-5-26	9y- 30d	102,910	3,268.0
Walter Blum					
Airline Fayne Vermont	RH	12-10-28	6y-326d	87,669	3,119.5
Airline Pell Clothilde, 1640294	RH	1-20-28	7y-156d	88,900	3,065.9
Airline Pell Fayne, 1640301	RH	12-16-28	6y-329d	82,798	3,020.9

WESTMORELAND COUNTY

Westmoreland County D. H. I. A. No. 1, Year Ending Aug. 31, 1940

Lawrence Harklerod, Tester Greensburg, Pa.

St. Vincent Archabbey, Latrobe, Pa.					
Fayne Korndyke Beauty, 1373365	RH	1-29-27	11y-234d	125,069	4,591.6*
No. 176	GrH	1923	13y	125,233	4,341.3**

Cow's Name and Number	Breed	Born	Yrs. on Test	Milk	Butterfat
Vincent Fanny Hengerveld Korndyke, 1153302	RH	8-17-25	12y-256d	126,012	4,242.7**
Vincent June Pontiac Echo, 1177784	RH	7-24-26	11y-267d	113,993	3,886.8
Vincent Pearl Sylvia Echo, 1352867	RH	1-15-28	9y-333d	110,214	3,661.0*
S. W. Heath, Belle Vernon, R. 2					
Irean of Heath Dale Farm, 267250	RG	7-18-28	9y-175d	68,794	3,666.1*
Dr. Fred Wohlwend, Salina, Pa.					
King's Rita of Swiss Meadow, 32892	R:Sw	1-31-29	8y-199d	78,381	3,135.0**

Westmoreland County D. H. I. A. No. 2, Year Ending Aug. 31, 1940

James H. Dunn, Tester, Greensburg, Pa.

Herd of Westmoreland County Home, Greensburg					
Hengerveld Pontiac Girl Echo, 1311998	RH	5-28-25	11y-153d	196,040	6,563.0**
Golden Age Jane Segis, 1108825	RH	12-1-25	11y- 25d	168,725	5,672.2**
Westcopa Sylvia Valdessa, 1320249	RH		9y- 65d	141,781	4,996.6**
J. C. Gaut, Alverton, Pa.					
Queen Elizabeth Sweet, 1567048	RH	10-23-31	8y-296d	74,580	3,280.8*
Elizabeth Hengerveld Netherland, 1380903	RH	1-2-29	11y-200d	83,753	3,173.4*

WYOMING COUNTY

Wyoming County D. H. I. A., Year Ending Sept. 30, 1940

Charles Henry, Mehoopany, Donald Hindman, Waverly, Pa., Testers

Ballard Farm Lady Pontiac, 1298541	RH	1-13-28	9y- 7d	110,975	3,960.0*
Oakmead Hengerveld, 1259140	RH	9-4-27	8y- 12d	109,647	3,737.7**
Mina Clothilde Ona, 1608569	RH	9-17-29	7y-351d	107,846	3,665.1*
Hengerveld Loyal Clothilde, 1721667	RH	10-7-29	7y-313d	107,192	3,641.9*

YORK COUNTY

Northern York D. H. I. A., Year Ending Nov. 30, 1940

Wells Hoover, Tester, York, Pa.

J. Raymond Arnold, Hellam, Pa.					
Mandy 1306-Va	GG	1925	13y	132,550	5,714.4
Cozy D-89692	GG	1927	10y-275d	71,075	3,635.4
J. A. Poorbaugh, York, R.D. 3					
Royal Bess of Cedar Grove, 393221	RG	1930	7y-130d	91,147	4,133.6
June's Dolly Stratton, 303215	RG	1929	7y-184d	66,634	3,668.4
Pearl D-26816	GG	1930	7y-357d	75,130	3,536.0
Goldie E-89404	GG	1929	7y-327d	71,410	3,198.1
Pansy of Cedar Grove, 393220	RG	1928	8y-291d	67,953	3,000.7
C. Allen May, York, R.D. 5					
Strongheart's Eloise, 298650	RG	1929	9y- 40d	69,549	3,519.0
Countess of Pleasant Hill, 220272	RG	1926	12y-324d	76,764	3,413.8
W. Frank Dummer, Mt. Wolf, Pa.					
Rosie, 23-6097	GH	1931	7y-287d	83,435	3,038.0

Southern York County Testing Association

Robert M. Scott, Tester, Delta, Pa.

Cow's Name and Number	Breed	Born	Yrs. on Test	Milk	Butterfat
Lauxmont Farms, Wrightsville					
Colantha Rose Mooie, 1550911	RH	5-15-31	6y-210d	120,733	5,044.1*
Travnick Katie Vale Pontiac, 940576	RH	4-17-24	9y	126,102	4,607.7*
Walshland Piet. Ormsby 2nd, 1556127	RH	11-20-28	9y	110,626	4,087.9*
Matador Walker Riverside, Gelsche, 1389958	RH	3-9-29	8y-312d	115,240	3,905.9*
Pearl DeKol Mercedes Ormsby, 1029945	RH	12-8-24	8y-214d	96,592	3,440.0***
W. S. Grimm, Red Lion					
Arlene Valentine Colantha, 1337078	RH	2-19-28	9y-166d	111,742	4,169.5*
Bessie Mechthilde DeKol Girl, 1307835	RH	7-3-25	9y-360d	108,133	4,128.7***
Hartog Piebe Celesta, 1393144	RH	2-11-28	9y-112d	100,441	3,665.4*
Homestead DeKol Lilith, 1432413	RH	4-18-28	9y-166d	106,155	3,270.5*
Lillian Valentine Colantha, 1308367	RH	5-26-26	10y-263d	96,110	3,170.0*
Ethel Pontiac Beets, 1329399	RH	6-26-28	7y-341d	83,765	3,023.7**
Dale D. Kilgore, Woodbine					
Polly	GG	5-?-25	11y-192d	90,568	4,971.4*
A-12350-Gertie	½PBS:½PG	1931	7y	72,978	3,541.4**
Jay Bee Farms, York, New Salem					
J. B. Fishel Bakery, 113870—Penshurst Rosanna	RA	9-6-28	8y	106,890	4,487.8*
Emory M. Kilgore, Woodbine					
72392-G, Topsy	GG	2-?-28	8y	73,668	3,617.4*

GULF LIVESTOCK SPRAY

Is Used and Recommended by Many Leading Dairymen

HERE'S WHY YOU, TOO, WILL LIKE IT!

1. Keeps cows quieter at milking time.
2. Makes milking safer, faster, and easier.
3. Doesn't impart taste or odor to milk.
4. Kills flies, lice and ticks . . . repels stable and horn flies.
5. Keeps cows quieter in pasture.
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• 1941 •

Should be a banner year for livestock breeders generally and for the dairy farmer in particular.

This opinion is based on the fact that industrial payrolls and farm income should show a good increase this year if only for the reason that there will be a larger number of workers in jobs with a consequent increase in consumer purchasing power.

Manufacture of war materials in this country will broaden out in all likelihood as the war progresses and this expansion will in turn stimulate many types of industry equally with manufacturing.

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Lemon's Dairy ..... Saltsburg, R. 2
L. M. & V. B. Waddle ..... Saltsburg, R. 2
Roland M. Smith ..... Marion Center
W. H. Wood ..... Shelocta
Wendell Wetzell, Cow Tester ..... Second Ass'n., Homer City
Dr. J. J. Connolly ..... Indiana
E. L. Marshall ..... Smicksburg
J. H. White, Supt. ..... County Home, Indiana
Walter C. Simpson ..... Marion Center
C. C. Pollock ..... Marion Center
J. S. Cornell ..... Blairsville
Carl Johnston, Tester ..... First Ass'n., Indiana
H. M. Travis ..... Smicksburg
Harry R. Couch ..... Shelocta, R. 3
W. C. Jamison ..... Home, R. 1
Carl E. Walker ..... Marion Center
Paul Walker ..... Marion Center
James Ewing ..... Saltsburg
J. Paul Kimmel ..... Shelocta
Cliff Hughes ..... Rochester Mills
Paul S. McFarland ..... Shelocta

JEFFERSON COUNTY

J. P. Winslow ..... Brookville
Jos. Bullers ..... Brookville, R. 1
J. P. C. King ..... Summerville
J. Angus Wilson ..... Punxsutawney, R. 4
J. C. Mohney ..... Punxsutawney, R. 1
John Dickey ..... Reynoldsville
Glenn Ford ..... Brookville

JUNIATA COUNTY

M. L. Stitt ..... Port Royal
John K. Esh ..... Port Royal
Musser & Stuck ..... Oakland Mills

LANCASTER COUNTY

Luke W. Martin ..... Goodville
Abner H. Risser ..... Bainbridge
Henry W. Martin ..... Ephrata, R. 1
Ivan G. Martin ..... Ephrata
J. T. Hastings ..... Kirkwood
S. W. Root, Woodside Stock Fm. ..... Landisville
Jacob S. Horst ..... Lititz, R. 3
Benj. M. Brubaker ..... New Holland, R. 2
Paul Longenecker ..... Strasburg
Elvin Hess ..... Strasburg

Earl L. Gross ..... Strasburg, R. 1
Amos H. Mellinger ..... Strasburg, R. 1
Aaron Riehl ..... Lancaster, R. 4
Harry Brubaker ..... Lancaster, R. 4
Harold Book ..... Ronks
Harry Griffith ..... Quarryville
J. Mowery Frey ..... Lancaster, R. 6
Jacob Brenneman ..... Willow St.
Clair Witmer ..... Willow St.
J. K. Stern ..... Lancaster, Pa. (Now Springfield, Mass.)
H. H. Snavely ..... Willow St.
Harlan Gatchell ..... Peach Bottom
Chas. E. Cowan ..... 32 Parkside Ave., Lancaster
Earl H. Noll ..... Lancaster, R. 1
F. S. Bucher, Co. Agt. ..... P. O. Bldg., Lancaster
John C. Metzler ..... Christiana, R. 1
Warren L. Eby ..... Gordonville, R. 1
Ira. M. Eby ..... Gordonville, R. 1
Geo. G. Sauder ..... East Earl, R. 1
H. K. Martin ..... Goodville
Israel W. Brendle ..... East Earl, R. 1
John A. Styer ..... East Earl, R. 1

LACKAWANNA COUNTY

E. D. Russ ..... 521 School St., Clark Summit
Dr. C. W. Ribbon ..... Jerwyn
Donald Hindman ..... Waverly
Ira Dunmire ..... 323 P. O. Bldg., Scranton

LAWRENCE COUNTY

Wayne Walker ..... Wampum, Box 153
Ray S. Marshall ..... Elwood City, R. 1
Harold R. McCulloch ..... New Castle
Frank B. Wright ..... Edinberg

LEBANON COUNTY

Jacob N. Smith ..... Annville, R. 1
J. H. Gibble ..... Myerstown, R. 2
Wayne Dubble ..... Myerstown, R. 2
Hubert S. Miller ..... Myerstown, R. 2
C. E. Cassel ..... Hershey

LEHIGH COUNTY

Victor Plastow ..... 445 Allentown, Pa., c/o A. L. Hacker
P. J. Glessner ..... Bethlehem, R. 1
Harold Zeigler ..... Breinigsville
Alfred C. Bleiler ..... New Tripoli
Timothy Gehman ..... Macungie
C. A. Lichtenwalner ..... Macungie
Titus Snyder ..... Snyder Apts., Emaus
C.A.

LUZERNE COUNTY

G. W. Snyder ..... St. Johns
Pecora's Farm Dairy ..... Drums, R.D.
Kis-Lyn School for Boys ..... Kis-Lyn
Dorrance Reynolds ..... Dallas
Robert Eipper ..... Dallas

LYCOMING COUNTY

O. A. Shirey ..... Linden
Burton Morgan ..... Hughesville
H. A. Snyder ..... Montoursville
J. S. Nicholson ..... Muncy
W. R. Downs ..... 124 Lincoln Ave., Jersey Shore
A. R. Love ..... 131 Oliver St., Jersey Shore

McKEAN COUNTY

W. A. Rose ..... Smethport
Walter Cox ..... Ludlow
L. A. Buchanan ..... c/o C. H. Waha, Smethport
John W. Carlson ..... Port Allegheny

MERCER COUNTY

Paul R. McCauslin ..... Grove City
C. H. Waha ..... Mercer
Ross C. Hill, Herdsman ..... Mercer San. Mercer
Albert Wolfgang ..... c/o C. H. Waha, Mercer

MIFFLIN COUNTY

J. T. Plummer ..... Lewistown, Box 504
Thearous Kauffman ..... Mifflintown

MONTGOMERY COUNTY

R. G. Waltz ..... Norristown
J. L. Wood and Son ..... Pennsburg
Harvey Murphy ..... Norristown
Chas. Shuman ..... Norristown, R. 4
Walter S. Kerr ..... Springhouse
Harry Carre ..... Penllyn
Geo. C. Klauder ..... Penllyn
J. Hansell French ..... Collegeville
Lawrence Lindquist ..... Willow Grove
Merle Zimmerman ..... Center Square
Fred Weigle ..... Gwynedd Valley
E. P. Bechtel ..... Trappe, Pa.
Elias Sellers ..... Norristown, R. 3
Paul S. Williams ..... Narberth
J. D. Mitchell ..... Lafayette Hill
Miller C. Long ..... Pottstown, R. 1

MONTOUR COUNTY

A. Woodward Stephens ..... Danville, R. 1
Evan P. Fowler ..... Danville, R. 1

NORTHAMPTON COUNTY

V. A. Houston ..... Northampton, R. 1
B. L. Hindenath ..... Easton, R. 4
W. W. Shoemaker ..... Walnutport
W. H. Schlegel ..... Bath, R. 1
Paul Weidman ..... Bangor, R. 2
Titus Snyder ..... Snyder Apt., Emaus
Elwood Dietrich ..... Bangor, R. 2
Harry F. Roth ..... Nazareth
Omer Dietterick ..... Mt. Bethel
Claude Messinger ..... Bangor, R. 2
Chas. Beck ..... 55 S. Main St., Nazareth
Eugene A. Kostenbauder ..... Nazareth, R. 2
Geo. W. Buss ..... Easton, R. 3

NORTHUMBERLAND COUNTY

Leon B. Epler ..... Northumberland
C. G. Dietrich ..... Milton
Geo. W. Slocum ..... Milton

PERRY COUNTY

Ward R. Milligan ..... Loysville
Stanley T. Gable ..... Newport
Ralph L. Smith ..... Millerstown
Homer Gable ..... Newport

PHILADELPHIA COUNTY

Philip J. Bauer ..... 2801 Hunting Park
W. F. Fusselbaugh ..... Harbison Dairy, Front & Diamond
I. Ralph Zollers ..... 7130 Louise Rd., Phila.

POTTER COUNTY

Wesley E. Cary ..... Harrison Valley
Potter Co. Home Fm. Ade Nichols, Supt. ..... Coudersport

SCHUYLKILL COUNTY

U. E. Rhein ..... Pine Grove
Mrs. Maud Richards ..... Pottsville (Sharp Mt. Farm)
Arthur S. Heisler ..... Tamaqua, R. 1
Henry E. Lindner ..... Zions Grove
Benj. Heisler ..... Tamaqua
A. T. Riegel ..... Schuylkill Haven
Webster Wagner ..... Middleport
Clarence Breiner ..... Tamaqua, R. 3
H. J. Poorbaugh ..... Pottsville (Ct. House)
Paul H. Lengel ..... Pine Grove
Milton Stump ..... Pine Grove, R.D.
Roy Hunter ..... Ashland, R.D.
Robert Ludwig ..... Hegins, R.D.
Jonathan Herring ..... Pine Grove, R.D.
Buechley Farms ..... Pottsville
Guy Reed ..... Summit Station, R.D.
I. Earl Paxson ..... Schuylkill Haven, R.D.
Bast Bros. ..... Schuylkill Haven, R.D.
Hill Farm Dairy ..... Schuylkill Haven, R.D.
Roy J. Gauker ..... Cressona

SOMERSET COUNTY

Milton Weaver ..... Windber, Box 565
Meyers Bros. ..... Meyersdale
John L. Knepper ..... Berlin
C. C. McDowell ..... Somerset

SNYDER COUNTY

Earl G. Winey ..... Middleburg

SUSQUEHANNA COUNTY

S. D. Warriner ..... Montrose
Curtis L. Allen ..... Nicholson, R. 1
Allen Miller ..... Susquehanna
A. L. Bowell ..... Thompson
James K. Strockbine ..... New Cumberland
N. C. Dale ..... Montrose

TIOGA COUNTY

Paul Korb ..... Wellsboro
Archie A. Baker ..... Knoxville
Marvin Lebo ..... Leolyn
E. B. Spencer & Son ..... Millerton
F. E. Snyder ..... Liberty
Roy Whittaker ..... Covington
Roy S. Bowen ..... Wellsboro
H. L. Seeley ..... Knoxville
E. N. Garrison ..... Millerton
Geo. B. Butler ..... Wellsboro, R. 4
M. S. Brodrick ..... Mansfield

UNION COUNTY

B. M. Fairchild ..... Lewisburg
L. R. Bennett, Co. Agt. ..... Lewisburg

VENANGO COUNTY

Polk State School ..... Polk
D. H. Morrison ..... Van P O.
John Baker ..... Box 468, Franklin
E. G. Ifft ..... Franklin

WAYNE COUNTY

C. E. Canfield ..... Damascus (Member 1939 and 1940)
James E. McKeehen ..... Honesdale
Corey Garey ..... Honesdale
B. F. Kennedy & Son ..... Pleasant Mount

WASHINGTON COUNTY

W. H. Hutchison ..... W. Alexandria
Lyle Carter ..... Ct. House, Washington
E. H. Fulton ..... Washington
Clifford M. Weise ..... 101 Bertha Ave., Donora

WARREN COUNTY

O. C. Tritt, Co. Agt. ..... Warren
Mervin C. Schuckers ..... Box 74, Spring Creek

WESTMORELAND COUNTY

W. L. Treager ..... Greensburg
Raymond L. Steele ..... New Alexandria
B. W. Silvis ..... Export
St. Vincent Archabbey ..... Latrobe
Chas. A. Baird ..... Salina
Frank D. Kuma ..... Belle Vernon
Jesse Smith ..... Belle Vernon
Richard Kemp ..... Greensburg
Frank Henderson ..... Bolivar
J. H. Silvis ..... Greensburg
Walter Lash ..... West Newton
Swiss Meadow Farm ..... Salina
Robert Whitesell ..... Salina
J. H. Seanor ..... New Alexandria
H. C. Waugaman ..... Greensburg, R. 4
R. J. Perry ..... Torrance State Hosp., Torrance
W. F. Barkley ..... Livermore, R. 1
James Lynch ..... New Florence
J. S. Thurston ..... 228 Federal Bldg., Greensburg
Westmoreland Co. Home ..... Greensburg

WYOMING COUNTY

Burt B. Harding.....Tunkhannock
Ralph L. Culver.....Skinners Eddy
C. B. Allshouse.....Tunkhannock, R. 2
Wm. N. Lane.....Tunkhannock
Donald Arthur.....Laceyville

YORK COUNTY

Robt. M. Scott.....Delta
W. S. Grimm.....Red Lion
E. S. Gross.....Manchester
W. F. Dummer.....Mt. Wolf
Floyd Hartzell.....York, Pa., R. 6
Ray Niebler.....Wrightsville
C. A. Burdick.....Wrightsville
Lauxmont Farms.....Wrightsville
Frank Connell.....Greene Dairy, York
J. A. Poorbaugh.....York, R. 3
Lee M. Poorbaugh.....York, R. 3
Paul Kirkpatrick.....Bethlehem, R. 2

OUT OF STATE

W. W. Bullard.....Andover, Ohio
Clifford L. Clevenger.....11 S. LaSalle St., Chicago, Ill.
Dr. W. W. Williams.....146 Chestnut St., Springfield, Mass.
Irving Owen.....Marlboro, N. J.
Lloyd Burlingham.....308 Washington Ave., Chicago, Ill.
T. P. Whittaker.....Brandon, Vt.
H. E. Dennison.....East Lansing, Mich.

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FEDERAL*STATE COOPERATIVE PLAN OF BANG DISEASE

(PENNA. DEPARTMENT OF AGRICULTURE) BUREAU OF ANIMAL INDUSTRY

SUPPLEMENTAL AGREEMENT AND RULES PERTAINING TO CALFHOOD VACCINATION

_____(OWNER)

My herd of cattle is under Federal-State supervision for the control of Bang disease and I now desire to adopt calfhood vaccination as an adjunct to the present plan under the supervision of the United States Department of Agriculture and the Pennsylvania Department of Agriculture.

I agree to promote my herd in compliance with all rules and regulations considered necessary by said Departments for the control and prevention of Bang disease.

Rules Governing Calfhood Vaccination

1. Blood samples shall be collected from the entire herd by an Accredited Veterinarian authorized by one of the said Departments and the samples shall be sent to the Laboratory of the Pennsylvania Bureau of Animal Industry to be tested.

2. I shall employ an Accredited Veterinarian approved by the cooperating Federal-State Departments, to vaccinate with Brucella abortus vaccine (strain 19), calves between four (4) and eight (8) months of age (preferably under seven months of age.) Vaccines shall be obtained from establishments approved by the Director of the Pennsylvania Bureau of Animal Industry and vaccinations shall be done by the veterinarian only after he has obtained specific written permission from the proper Federal or State cooperating official.

3. A written report in duplicate of the administration of the vaccine must be made immediately after each use of the vaccine. The report shall be made on a form furnished by the Department, and shall give the name and address of the owner, date of vaccination, the name and address of the veterinarian who administered the vaccine, the serial lot number of the vaccine used and the name of the manufacturer; full identification of each calf at the time of vaccination including tag, tatto or registration number as well as name, age and sex; so that a continuous record may be maintained.

4. No animal in the herd showing a positive or suspicious reaction to the test may be removed from the premises except under written permission from the proper cooperating Federal or State official.

No animal in the herd negative to the test may be removed from the premises except upon written permission from the proper cooperative Federal or State Official until and unless all unvaccinated animals in the herd and all vaccinated animals over two years of age give negative results to the agglutination test at the time; and all vaccinated animals under two years of age have shown a satisfactory titer; are negative at the time, or have been properly removed from the herd under permit for slaughter.

5. Vaccinated animals which continue to give a positive reaction to the test should not be bred. Vaccinated calves should not intermingle with the remainder of the herd until they have given a negative result to the agglutination test.

6. All vaccinated and unvaccinated calves in the herd shall have the official agglutination test applied every three (3) months and the entire herd shall be tested every six (6) months, or the herd may be tested at such intervals as are desired by the owner and his veterinarian or as deemed necessary by the Federal and State officials.

7. All additions to the herd must meet the requirements as set forth in the Federal-State Cooperative Plan of Bang Disease Control.

8. A herd in which the owner adopts calfhood vaccination may be certified as Bang disease free when all unvaccinated animals in the herd and all vaccinated animals over two years of age have been negative to at least two official agglutination tests covering a period of one year; provided the vaccinated animals under two years of age are negative have shown a satisfactory titer, or have been removed from the herd under permit for slaughter.

The certification may be revoked at any time, and all certifications are void after a period of one year unless renewed.

9. Indemnity will not be paid for vaccinated animals which have not given at least one negative blood test result subsequent to the date of vaccination, nor for vaccinated animals which continue to give a positive result to the test after reaching the age of eighteen (18) months, which animals shall be removed from the herd under permit for slaughter.

In accordance with the present Federal regulations, neither Federal or State indemnity will be paid for vaccinated animals giving a positive reaction before eighteen eighteen (18) months subsequent to the date of vaccination, nor for animals which were vaccinated after eight (8) months of age.

10. I certify that no abortion vaccine, abortion, abortion bacteria, nor preparation made from or through the agency of Brucella micro-organisms has been used in any of the animals in my herd of cattle prior to date of this agreement.

11. All expenses of the practicing veterinarian in connection with the herd must be borne by the owner. The Departments, in accordance with the present custom, will furnish the necessary number of vials to be used as blood containers, and a sufficient number of the forms for identification of the animals. All tests shall be conducted at the Laboratory of the Pennsylvania Bureau of Animal Industry.

My entire herd consists of the following animals:

	Purebreds	Grades	Total
Females under 6 months of age	_____	_____	_____
Males under 6 months of age	_____	_____	_____
Females over 6 months of age	_____	_____	_____
Males over 6 months of age	_____	_____	_____
TOTAL			

I desire to employ Dr._____

Address_____IN connection with calfhood vaccination for Bang Disease in my herd.

Signed: Date_____1941

Owner_____

P. O. Address_____

Location of Farm_____

County_____Township_____

Witness:_____Address_____

(Complete three copies)

PLAN AND RULES PERTAINING TO CALFHOOD VACCINATION AND SEGREGATION ON ANIMALS INFECTED WITH BANG DISEASE

(PENNA. DEPARTMENT OF AGRICULTURE)
BUREAU OF ANIMAL INDUSTRY

_____(OWNER)

My herd is not now uder Federal-State supervision for the control of Bang Disease and my purpose in requesting calfhood vaccination is to build resistance in calves to be used as replacement animals in my own herd after they reach maturity. Any animals in my herd giving a positive reaction to the test for Bang Disease shall be eliminated under permit for slaughter purposes as soon as they become unprofitable from the production standpoint and I shall receive no indemnity for same from either the Federal or State Department of Agriculture. It is my intention to later adopt the Federal-State Plan of Bang Disease Control and vaccination shall then be used, if permitted by said Departments of Agriculture, only as an adjunct to the Cooperative Plan, after which, in my proper turn for initial test under the Plan, indemnity if available, will be paid for animals positive to the test in accordance with the rules contained in the Plan and Supplemental Agreement for calfhood vaccination.

MODIFICATION AND AMENDMENT OF REGULATION No. 538 GOVERNING MOVEMENT OF LIVESTOCK INTO PENNA. EFFECTIVE 1941

RELATING TO IMPORT OF CATTLE FOR DAIRY BREEDING AND FEEDER PURPOSES

All cattle for dairy and breeding purposes; feeder cows, heifers and bulls, including calves, may be imported into Pennsylvania provided they come directly from:

A. Herds accredited as Bang Disease Free or herds in Modified Accredited Bang Disease Free Areas in which all animals in the herd over six (6) months of age were negative to an official test for Bang Disease within twelve (12) months of entry and the individuals for entry were negative to an official test within thirty (30) days of the date of shipment.

B. Herds under Federal and State supervision for the control of Bang Disease in which all animals in the herd over six (6) months of age were negative to an official test within three (3) months of entry and the individuals were negative to an official test within thirty (30) days of the date of shipment, such test not to be applied within thirty (30) days of the date of the previous herd test.

C. Feeder bulls of beef breeds, which do not come within the requirements of Sections A. and B. may be imported into Pennsylvania if they were negative to an official test, for Bang Disease immediately prior to the date of shipment; or they may be imported without a Blood test for Bang Disease provided they are billed to the public

stockyards at Lancaster or Pittsburgh where a blood sample shall be colleced from each animal by an approved veterinarian at the owner's expense and forwarded to the Laboratory of the Pennsylvania Bureau of Animal Industry for test. Such bulls if negative to a test for Bang Disease are not eligible to enter any herd or quarantined area under supervision for the control of Bang Disease and must be slaughtered within a period of fifteen (15) months after the date of entry.

Cattle vaccinated as calves under official supervision may be imported into Pennsylvania provided they are negative to an official blood test prior to entry and otherwise comply with the provisions of this regulation.

Cattle conforming to the preceding requirements must be accompanied by health certificates approved by the proper livestock regulatory official of the state of origin. The health certificate shall contain identification of each animal shipped, the names and addresses of the owner, consignor and consignee, and shall be sent to the Pennsylvania Bureau of Animal Industry at Harrisburg before arrival of cattle at destination. Cattle brought into Pennsylvania as free from Bang Disease shall not be confined in any public stock yards, sale stables, unless they are segregated in cleaned and disinfected quarters to prevent their exposure to infected cattle or contaminated premises.

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MANAGER

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